

SEQUENCE LISTING

<110> Algate, Paul A.

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
AND DIAGNOSIS OF OVARIAN CANCER

<130> 210121.493C1

<140> US

<141> 2001-12-12

<160> 1739

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 264

<212> DNA

<213> Homo sapiens

<400> 1

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ctcaccagat accagtcctt tgatcttgga ctaccaggc ttcagaacta taagaaataa 180
atctccgttc tttgaggatt acccagtttg tgctattctg ttatggcagc acaaaatgga 240
ctaagacata ggtccaatct aagg                                     264
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<210> 2

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 10, 494, 534

<223> n = A,T,C or G

<400> 2

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cattttgagc aatggggaac gctcacggac tgtgtggtta tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggc ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgccactta actgtgaaaa agatatttgt tgggtggcatt 300
aaagaagaca ctgaagaaca tcacctaa gaattatttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaagcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagatt gtcattcaga aatccattcc tgtgaatgga 480
cctgcccggc cggncaaagg cgaaattcaa cacacttttg cggcgttacc taanggatcc 540
caacttcggt                                     550
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<210> 3

<211> 434

<212> DNA
<213> Homo sapiens

<400> 3
aaatttatga aactttcgaa cagtagcaac tgaaatttgt cacttttctg ttacgcagag 60
aatcagacct ttgataata ttggggaggg taaaagaaat atgccaata tgaaaccttt 120
ttgtcagcac tacatacatc ttttttttgc ggggggcggg ggggacagag tctcactgtg 180
tactcagac tggagtacag tgatgcgac tcggtcact gcaacctccg cctcctgggt 240
tcaagcgatt ctctgcttc agcctcctga gtagctggga ttacaggtgc acaccaccac 300
gcccggctaa tttttgtatt tttagtagag atgggggttc accatgttgg tcaggctggt 360
cttgaactcc tgacctcgtt cctgccttag cctcctaaag tgccgggatt acaggcgtga 420
accaccgcac ctgg 434

<210> 4
<211> 381
<212> DNA
<213> Homo sapiens

<400> 4
aaaagaaaag acacctgggc ctggggggacc actaccacca agacgcggag accagtagtg 60
gccccaaatg ccaggctgca ctgatattta ttggatataa gacaaagggg cagggttaagg 120
aatgtgaacc atctccaata ataggtaagg tcacatgggt catgtgtcca ctggacaggg 180
ggcccttccc tgctggcag cagaggcaga gagagagaga agagagagag acagcttatg 240
ccattatttc tgcatatcag acatttagta ctttactaa tttgctcctg ctatctaaaa 300
ggcagagcca ggtatacagg atggaacatg aaagcggact aggagcgtga ccactgaagc 360
acagcatcac agggagacag g 381

<210> 5
<211> 422
<212> DNA
<213> Homo sapiens

<400> 5
aatgggttac attgtaaaact gttatataag tacctgataa tatcattaat tttgtttctt 60
ggcctgccat gcttaaaaata ttaactctct ggccctttaa gaaaaaaacg tgctgacccc 120
tgctctagat caaagaaaac aaacctcaaa aatactttcc tccctctacc ccacttgacc 180
cttgtcccgg ggcagtaggc atctcgtca aaactctgt ccttggtctg tggttaacttt 240
ctcagctccc caacccatgt cctcaaagt cccctcccta tagggcaaga acccagcaac 300
ttcgctctgc cccgactcta ggcgggatgt agctcatttt gggatacgag tctccatcgt 360
ggagcctggc ttcttcogaa cccctgtgac caacctggag agtctggaga aaacctgca 420
gg 422

<210> 6
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 148, 180
<223> n = A,T,C or G

<400> 6
ctgtccagtg acatctaggg aagcccagcc cccagcagca gcaggaaactc ttggggacag 60

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tctgtcttgt  tgcaaagcca  gcacagcaag  cagcctccgc  attagttcca  tagcttgact  120
ggcttctaag  atgggcattg  tcaagatnca  gaaatctcaa  agcatcccct  ctttgggctn  180
catcatccaa  gggtgagaaa  cagcagagcc  taagtgagaa  gtctgagtca  acaccttggc  240
tcagttttca  aaatgaattt  t                                     261

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<210> 7
<211> 428
<212> DNA
<213> Homo sapiens

```

```

<400> 7
ctcacgttga  tgtcaagact  accgatgggt  acttgcttcg  tctgtttctgt  gttggtttta  60
ctaaaaaacg  caacaatcag  atacggaaga  cctcttatgc  tcagcaccaa  caggtccgcc  120
aaatccggaa  gaaagatgat  ggaaatcatg  acccgagagg  tgcagacaaa  tgacttgaaa  180
gaagtggcca  ataaattgat  tccagacagc  attggaaaag  acatagaaaa  ggcttgccaa  240
tctatttatc  ctctccatga  tgtcttcggt  agaaaagtaa  aaatgctgaa  gaagcccaag  300
tttgaattgg  gaaagctcat  ggagcttcat  ggtgaaggca  gtagttcttg  aaaagccact  360
ggggacgaga  caggtgctaa  agttgaacga  gctgatggat  atgaaccacc  agtccaagaa  420
atctgttt                                     428

```

```

<210> 8
<211> 305
<212> DNA
<213> Homo sapiens

```

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<400> 8
cctggccgtg  ttggccgcct  ttctggagga  gggcccggaa  gaaaacagtg  cctatgagca  60
gttgctgtct  cgcttggaag  aaatcgctga  ggaaggctca  gagactcagg  tcccaggact  120
ggacatatct  tgcaactcctg  cctctgact  tcagccgcta  cttccaatat  gaggggtctc  180
tgactacacc  gccctgtgcc  caggggtgtca  tctggactgt  gtttaaccag  acagtgatgc  240
tgagtgttaa  gcagctccac  accctctctg  acaccctgtg  gggacctggg  gactctcggc  300
tacag                                     305

```

```

<210> 9
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<400> 9
aaatgacgaa  actcagcgga  aatatattca  gggattgaag  aggttaatga  ccatttgcca  60
gaaacacttt  cctacagacc  catccaaatg  tgtggagtac  aatgcactgt  gagatctgtg  120
tatggtgtgt  taataacaat  aagaaactta  gggaagcagg  ctgtggactt  ctggaattac  180
caacaggaa  gaggaagaa  gaaaactgga  gtttccagtc  tctgagttct  acctgatgta  240
actcttgatt  ggttttaaga  actttgttgg  ctttcatttc  atatctgact  gcaagctgat  300
ttttctttct  tgctttcatt  ttaattagtc  caaaattaag  tttt                                     344

```

```

<210> 10
<211> 377
<212> DNA
<213> Homo sapiens

```

```

<400> 10
aaaaccttta  gcatttctgc  ctataatatt  tgggttttct  tcttttctta  tctttatttg  60
ataagtccca  tcaaataatt  tcccataat  cacaatgttt  tcttttctact  ttgctcaaga  120

```

```

actgagttat gagctccaaa atttggacaa actctacatt ggctaagttt tagtcatttg 180
cactgctaag aaagatgaca attcagcatg ctgaagatga cttcctccct tataaagggg 240
ctaacacaga gggcaatact gttcatgctt ctgattcttg atcacaagaa ttgctttagg 300
caattacaat catgtctcct ctgacacatc atattattca agtgagacag agaaagaaga 360
tgtcctatgt cacacag                                     377

```

```

<210> 11
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<400> 11
aaaagaaaag acacctgggc ctggggggacc actaccacca agacgcggag accagtagtg 60
gccccaaaatg ccaggctgca ctgatattta ttggatataa gacaaagggg cagggttaagg 120
aatgtgaacc atctccaata ataggtaagg tcacatgggt catgtgtcca ctggacaggg 180
ggcccttccc tgccctggcag cagaggcaga gagagagaga agagagagag acagcttatg 240
ccattatttc tgcataatcag acatttagta ctttcactaa tttgctcctg ctatctaaaa 300
ggcagagcca ggtatacagg atggaacatg aaagcggact aggagcgtga ccactgaagc 360
acagcatcac agggagacag g                                     381

```

```

<210> 12
<211> 219
<212> DNA
<213> Homo sapiens

```

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<400> 12
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccggg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
caagatcctg agtggcatgc gaagccaata tgaggtcatg gccgagcaga accggaagga 180
tgctgaagcc tggttcacca gccggactga agaattgaa                                     219

```

```

<210> 13
<211> 355
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> 344, 348
<223> n = A,T,C or G

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```

<400> 13
aaataatcca ggcaggagaa gagaggaggg cacacttgga actcccctcc ccacaatacg 60
tgattattta catttttagta attggacaat cccggctcag gaggagggtg caagaatctg 120
caaaagtttg agggagcgcc ccaggagaac aaacagcaag ccttatttcc cctagcccat 180
cccccaaaaa accatccatc ccatactagt gtctgggtgt gtccggtgtg gtccatcttc 240
cattccttcc caaattatgg aagtaagggt cttctcacca gaataagagc acttgggata 300
acagagtagg gtccccctac ccaaaaaaaaa aaaaaaaaaa aaancttngg ggaaa       355

```

```

<210> 14
<211> 658
<212> DNA
<213> Homo sapiens

```


<220>

<221> misc_feature

<222> 467, 527, 550, 579, 583, 600, 608, 616, 623, 625, 640, 655

<223> n = A,T,C or G

<400> 14

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gaaaagttcc cattcaggtg tcttggaat tgaaaattca gtagatgac tgagtagcag 60
aatggacata cttgaagaaa gaatagacag tctagaagat caaattgaag aattctctaa 120
ggatacaatg caaatgacca aacagataat tagtaaagaa aggcaaagag atatagagga 180
gagatctaga agttgcaaca ttcgtttgat aggaattcca gaaaaggaga gttatgagaa 240
tagggcgagag gacataatta aagaaataat tgatgaaaac tttgcagaac taaagaaagg 300
ttcaagtcct gagattgtca gtgcttgctg agtacctagt aaaattgatg aaaagagact 360
gactcctaga cacatcttgg tgaaattttg gaattctagt gataaagaga aaataataag 420
ggcttctaga gagagaagag aaattaccta ccaaggaaca agaatcnggt tgacagcaga 480
cttatcctgg acacactgga tgctagaagt aaatgggagc caatgtnttc aaaggtcttg 540
cttggaanaan ggcttttaac cctagaatct ttttccanc canattgcct tttgatttan 600
ggggtaancc aaaggntttt ttntnttgaa gaatttagcn gatttgtttg cattngcc 658

```

<210> 15

<211> 713

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 505, 521, 546, 560, 563, 575, 594, 596, 626, 639, 689, 691

<223> n = A,T,C or G

<400> 15

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ctgcaattac atcatttttt atctatcttc tgcttttact ttgtgtaggg tagggatggg 60
gacttacaaa tgggccaag acacttcaac ctcaaaacca aagagaaatc tctgcttgca 120
gagatacaaa gaaagtaact ctccctctta tgaaaagcaa ccaggaactc tactccagtt 180
atgagggcca ctgatgggtg gggagagcta tcaagaagat tcttctaga cgtggtgcaa 240
agacagtgag aacccaggaa atcacattca tgggacactt gctcttaccg tcatcaccct 300
ctattctatc tcaacttttg ccccatcaaa tctaatgata aacaaaagaa ggtaattaca 360
tgtagaaaat caaagtgaat gggaatgtgg tgggtggaac ataaaagaag aaattgaaaa 420
caatcaaaaag tttctcagtg ctgctttccc gcactgtcat agaaatctct gatccaattc 480
ttcatatgtc taacttccaa ggaanccggc taacagcaca nacataggat ccaaggcatt 540
cttgngcgg aaaattaagn gnggggcccc ctttngaag gggactgcaa ccananggct 600
gggaaatcct tatactcccc tccgncgg ggctaattnc cattggtgaa acaatgttgg 660
gggggaaaaa aggttttgct cctacctana ngaaccagag ggcttggtcc ccc 713

```

<210> 16

<211> 616

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 539, 551, 560, 563, 593, 601

<223> n = A,T,C or G

<400> 16

```

ttcaaagaat cacttttagg cttacaaaaa taaatatttg tcaaatgtt caataaatat 60

```

```

tacataaaac tagcagcaaa aagtatctag aaatctgtcg tgtgcaaata gttttcttcc 120
caactatcat tcccatggtc ccaaataaat tttagaatct agtcccatcc ctttcctaga 180
caagctgctg tcaacaatct ccaagagaca aagtaagatt ggaagtttaa ggacacgcac 240
acaagacata tatataaaat tctctgaatg tgcaataaaa gaagtacttt gtaaaaagtt 300
atgggcaaaa tgtacaaggc cctaaacctg gactaattga aatagcacca taacaaatga 360
cctcaatact gtcaagtgcg cctacttaat aaaagtttta gaacaaggca caatacactt 420
gaaaatctat tgcaactttg gaaatTTTTT cctgtcttcc atgccactgt aaaaagatgg 480
agcgttttga tcaccgcatt ctggacctcg ggccgcgacc cacgctaagg gcgaaattnc 540
agcaccctt ngcgggccgn ttcttagtgg gatcccaact cggtagccaa acnttggcgt 600
naatcatggg ccatta 616

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<210> 17

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 546, 633, 642, 654, 656, 664, 699, 704, 708, 719, 723, 729, 733

<223> n = A,T,C or G

<400> 17

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ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60
atgccaatgt caagaagggt ggcatggaag acactgcaat aaaaggtagc aagccagcct 120
catacatgcc ctgaggccag caggcgccca gtcaggcag cacacgcctt cacttaaaaa 180
ggccgaggag cggcgggatc cacctgaatc caattacatc tgggtgaactc cgacatctga 240
aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300
aataatgttc attacactta agaatactgg cctgaatttt attagcttca ttataaatca 360
ctgagctgat atttactctt ccttttaagt tttctaagta cgtctgtagc atgatgggat 420
agattttctt gtttcagtgc tttgggacag attttatatt atgtcaattg gatcagggtg 480
aaattttcag tgtgtagtgt gcagatatat tcaaaattac aatgcattta tgggtgtctg 540
gggcangggg aacatcagaa aggttaaatt ggggcaaaaa tggcgtaagt cacaaaaaat 600
tggaatgggt caagtttaatt gttgaaagta cancaatttc anatttattg gcananattt 660
agangttggt tacattttta cttggccgga acacctaang gcgnaatnca cacactggng 720
gcngtatang ggn 733

```

<210> 18

<211> 148

<212> DNA

<213> Homo sapiens

<400> 18

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ggcaggtaaa gtaagtcgtt tccttttatt tgaacaccta ggggccattt tagagttata 60
attagcccaa tttctatata attttgtctc agggaaataga agcgtgaggg agggagagag 120
ttgggggaat ggctggttgg tagagtgg 148

```

<210> 19

<211> 130

<212> DNA

<213> Homo sapiens

<400> 19

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aaaagacctc aagaaagcaa cgaaaggaac gcaagaacag aatgaagaaa gtcaggggga 60

```

```
ctgcaaaggc caatgttggg gctggcaaaa agccgaagga gtaaaggtgc tgcaatgatg 120
ttagctgtgg                                     130
```

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<210> 20
<211> 341
<212> DNA
<213> Homo sapiens
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<400> 20
ctgcccagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaaggag cgggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggacccc cagatcagaa 180
aacctcacc agtggcaaac ctgccacact caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaaat gttcagagaa caaactacca g                                     341
```

```
<210> 21
<211> 698
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc_feature
<222> 422, 470, 495, 504, 515, 520, 521, 567, 568, 578, 613, 619,
622, 626, 633, 638, 640, 655, 659, 664, 671, 683, 685
<223> n = A,T,C or G
```

```
<400> 21
ctgttgaaat gaagcacttt acagttctttg tggcagcaga atatacttgt ccatggttca 60
tatcaatgct aaaattccgg cagggaaaaa aatgatatgt taagcaccca aatcttcaca 120
tggaggggga gggggtgggg aaaagaagga aaaaaaggga aaaacaacca aaataattta 180
agtaaatgac agattggaaa acagggttta taaaaattat tctcttgagt ttataaattg 240
ttaaaactcaa tttatagcta tgttaaacta cgtaagaacc actatactga aagaccattt 300
aagagtatta gtttatcttt tagggaggaa aattaagaaa ggaaaagtaa ataagatctt 360
acctaaagaa gtttaactga agcttagaac tattttgctc tacaccctca gctttcgttg 420
gnatccctat aaactactgt attaaagggt ttgtagaaac agcacagttn tttaagactg 480
gcttgaaactt attangccgt caanagttct cttgnactan nacctgtgtc ccttgagagt 540
cctcgctggg gttatttctt ttccttnntt tgaaaaancc agctttttaa aaatttaaaa 600
ggggtttctt ctngcagana tnccentaag tanccacntn ccttatcctg agaanggcna 660
cacncactta ntttaccgct ttntnttttc caaattac                                     698
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```
<210> 22
<211> 58
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 22, 26, 34, 35, 43
<223> n = A,T,C or G
```

```
<400> 22
tcccaggccg atctcaaaact ontganctcc taanncacct gntcagacc cccaaagt 58
```

<210> 23
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 23
 ctttgggaaa gttggtatga agcattacca cttaaagagg aaccagagct tctgcccac 60
 tgtcaacctt gacaaattgt ggacttttgt cagtgaacag acacgggtga atgctgctaa 120
 aaacaagact ggggctgctc ccatcattga tgtggtgcga tcgggctact acaaagttct 180
 gggaaaggga aagctcccaa agcagcctgt catcgtgaag gccaaattct tcagcagaag 240
 agctgaggag aagattaaga gtgttggggg ggccctgtgtc ctggtggctt gaagccacat 300
 ggagggagtt tcattaaatg ctaactactt tt 332

<210> 24
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 24
 aaaaagggtg tagaggacat tgaatacctg aagttcgata aagggccgtg gctcaagcag 60
 gacaatcgca ctttatacca cctgcgatta ctggttcagg ataagtttga ggtgctgaat 120
 tacacaagca ttcttatctt tctcccgga gtcaccattg gagctcatca gactgaccgt 180
 gtcttacatc agttcagaga gctgccgggc cgcaagtaca gccctgggta cagcaccgag 240
 gtgggagaca agtggatctg gctgaagtga acg 273

<210> 25
 <211> 615
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 553, 556, 564, 598
 <223> n = A,T,C or G

<400> 25
 aaagtttgtg cctgtaatac agtccgtgat atactggaag gcagaacaat tagtgttcaa 60
 tttaaccagc tatttcttag accaaataaa gagaaaatag actttcttct tgaggatagt 120
 tcaagatcag taaattttaga aaaagcttca gagtctttga aaggaaacat ggctgctttt 180
 ctaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat ttcttcacat 240
 gagcttttca ttacattggt gaaagatgaa gaacgaaagc tacttggtga tcagatgagg 300
 aagagatccc ctagagtaaa tctgtgcatt aaacctgtaa cttcatttta tgatatccca 360
 gcttcagcaa gtgtcaacat tggtcagtta gagcatcaac ttatattgtc agtggatcct 420
 tggaggatta gacaaatttt aattgaatta catggtatga cttcagaacg ccagttctgg 480
 acagtgtcta ataagtggga agtaccttct gtctatagtg gtgttatect gggaattaaa 540
 gacaatttaa cangangatt tggnttatat tcttatggga cctgcccggc ggccctcnaa 600
 agggcgaatt cacac 615

<210> 26
 <211> 714
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 562, 568, 573, 575, 578, 593, 614, 623, 629, 635, 665, 673,
 682, 684, 702, 705
 <223> n = A,T,C or G

<400> 26
 ccacaaaaaa gcatgcaaag tcattgttac aacagggatc tacagaacta tttcaccacc 60
 agatatgacc tagttttata tttctgggag gaaatgaatt catatctaga agtctggagt 120
 gagcaaacaa gagcaagaaa caaaaagaag ccaaaagcag aaggctccaa tatgaacaag 180
 ataaatctat cttcaaagac atattagaag ttgggaaaat aattcatgtg aactagacaa 240
 gtgtgttaag agtgataagt aaaatgcacg tggagacaag tgcaccccca gatctcaggg 300
 acctccccct gcctgtcacc tggggagtga gaggacagga tagtgcatgt tctttgtctc 360
 tgaattttta gttatatgtg ctgtaatgtt gctctgagga agcccctgga aagtctatcc 420
 caacatatcc catcttatat tcacaaaatt aagctgtagt atgtacccta agacgtgct 480
 aattgactgc ccttcgcaac tcaggggcgg ctgcatttta gtaatggggg caaatgatta 540
 ctttttatga tgccttccaaa gngccttngc ttntnttnc aacttgacaa aangcaaagt 600
 gagaaaaatg atcntatttt acnttaocna cagcngggac ccctttttta ataactggca 660
 cctntttttc ctnccggcgg cntnaaaggg gaattccccc cntgngcgtt ctag 714

<210> 27
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 27
 ccatcatcgc acaaggaaaac tggtttcata ctgaagttta agactgagtt ctacacctgt 60
 gggcttctac actacggaac gggagtgagg gggctgaaaa gcttattaat atactttgtc 120
 ttagcccaca ctgcaaatat agcactatta tggcatctta atcaagcaga gagctgttca 180
 catgctttct acagtatctt tataaataaa aggttccttt atccaccaa caacacctga 240
 aatgatctaa gttcaaaaaca ttagtataca aggacctaga taatgggaca tgtgaaaact 300
 tagtacattc aatttaggtt ttggacactt agttggataa acaagtttat ttgtaaattt 360
 agtcaacata cataattgac ctaaaaactt cagtaaattt t 401

<210> 28
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 28
 ctggcaacaa acctgaccac atgattaagc ctgttgaagt cactgagtca gcataaataa 60
 agactgcaca ggagaattac ccctatacct gagcctcaac cttctggggg aaggggaact 120
 agataacata cttcttactt gtctgtacag taccttggtg cagatgggtg atatataatg 180
 gtaatagaat agcacagcca gacttgcttc ctgcatggta gggagagaca caaaagatgg 240
 gaaactgctt ttccacaagg aatctccgta gaattttgcg gcgaccagat ggtgcatagg 300
 tctggaaggt ctgatctccc ttggtcttcc atgggatggg tagtgtggag gggagatata 360
 gattgtccgg ccgctttgtg attccatgga ttgattcagt cttctggatt tttttttctt 420
 tatatttttg gtactggagc tttt 444

<210> 29
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 29

```

gctgacgcaa acatgcagat ctttgtgaag accctcactg gcaaaaccat cacccttgag 60
gtcgagccca gtgacaccat tgagaatgtc aaagccaaaa ttcaagacaa ggagggtatc 120
ccacctgacc agcagcgtct gatatttgcc ggcaaacag 159

```

```

<210> 30
<211> 168
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 21, 49, 117, 134, 136, 142, 161
<223> n = A,T,C or G

```

```

<400> 30
cctcgagtct agtgaggcgc ntcagaaatt cgcaggagcc aaagccatnt catctgacat 60
gttctttggg cgggaggtgg atgcggagta tgaggccagg tctcggccgc gaccacncta 120
agggcgaatt ccancncact gncggtcggt actagaggat ncaagctc 168

```

```

<210> 31
<211> 685
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 317, 326, 331, 336, 353, 371, 377, 384, 386, 408, 426, 430,
439, 495, 529, 538, 564, 575, 587, 597, 604, 608, 621, 624,
634, 641, 645, 652, 667, 668
<223> n = A,T,C or G

```

```

<400> 31
aaatttgagg tggctcttaag aataacaaat gaacagaatt ccaaattttt gaaataggtg 60
aactgctgca gttacaggta tacatttagg aaaactgtat agctcttaca agaccagcaa 120
tgtaacttta ttttgtacat ttttgaattg aaaatataaa caataattaa aaaataaaaa 180
gaaaatacag cataataaaa aacatacgct tctcaattaa atgtactgga tacatataaa 240
ttttaaggga agaagcaaaa aaggaaaatg attgatattt aagtgcagac tgactaccta 300
gacaaaaaaa aaaaaantta aaaaantttc ntaaanctt tagttttttt atnactaata 360
tccatatggt nggagtntcg ccantntgga agggattttg ttatgttngc atatgttaca 420
ctttcngggn aattacatna tggcttttaa ggccctggga ggcttggttt ttggaaacaa 480
aattggataa aaatncttgt taaaacgcaa tacccttat ttttttggn cccattngc 540
aaaaaaaggg aaaattcctt ttanattttt ttacnccaa atgcctnaac ttttacnttt 600
accntggncg gaacccttta ngngaattc cacnccttgg nggcnttcta gnggatccca 660
cttggananaa ctgggggaaa atggg 685

```

```

<210> 32
<211> 159
<212> DNA
<213> Homo sapiens

```

```

<400> 32
gctgacgcaa acatgcagat ctttgtgaag accctcactg gcaaaaccat cacccttgag 60
gtcgagccca gtgacgccat tgagaatgtc aaagccaaaa ttcaagacaa ggagggtatc 120
ccacctgacc agcagcgtct gatatttgcc ggcaaacag 159

```

<210> 33
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 84, 90, 93, 94, 102, 113, 127, 130, 131, 189
 <223> n = A,T,C or G

<400> 33
 gtagttctga acgttagata ttttttttcc atgggggtcaa aaggtaccta agtatatgat 60
 tgcgagtggg aaaatagggg acanaaatcn ggnnttggca gnttttccat ttncatttgt 120
 gtgtgantcn ntaatatataa tgcggagacg taaagcatta atgcaagtta aaatgtttca 180
 gagaacaant ttcagcgggt cactttataa taattataaa taaacctgtt aaatttttct 240
 ggacaatgcc agcatttgga tttttttacc tgcccggggc ggc 283

<210> 34
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 34
 ccaacatctg gcttctaaaag gaaaggcttt tgggtcttttc aatcacttgc tgataggggtg 60
 agactgcatt gttaccata accacatgac ctaattttaga atcaatcttg gcatccagtc 120
 ttgcatttct aatcaaatat acaatccacc tttcagottc ttctggagtc atgttcaatt 180
 tatctgccaa catgttaatg ctgatacact ggtggatgag acagaaaagtc tcaaatatga 240
 agagacgggc attttcaatg aaatcctcaa gacaagccac caagaagaag tcattcacia 300
 gcactgattc acattccctc agctttttct gagccccatc aaagtcaaa 349

<210> 35
 <211> 732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 526, 540, 565, 568, 576, 582, 584, 591, 608, 650, 695, 708,
 712, 729, 730, 732
 <223> n = A,T,C or G

<400> 35
 attttgtttt ataaccactt ctaaatatte tcggtttctt ctttttggtg ttgttaatta 60
 aggggttttg gttttgtttt ctgtttactt tgtgtgcaac tacctgcttt taatgactca 120
 ctttgatcaa atgacagtga acaaagccag cccaagctgg taaggtgctg ttcacttgaa 180
 caggtgctgt tgcgcagaaa ggaaactctg tgactaatat agatagtggc tttccttctt 240
 ctggattctt ttcattgaat tctcacagta aatatttacg gagttttcaa attgcagcaa 300
 atatactgta tgagaaaata ttaatacaga ttaaaagcct ttcttacatc ttgaaaattt 360
 tctaataattt gagaatttca cagggatgtt ttttatattg gacccttttg actttccagt 420
 cctgtgactt tctactttta gtagagagtc agaattctct gactggagaa taatgaagaa 480
 gttcactgac tgtgcactgt gcttagagac ccctgcgcga ccacantgcc aatgcttgn 540
 agacacatgc ccttcggcag cattncanac cagganggga ananaaagaa naaaactttt 600
 tttccttnta cttaaaaaat taggcagctt aaaaccttag ggtttttttt ttaacataac 660

```

caaatttcaa tcttttcotta tttgacactg ggtanaactt ttgtttgntt anacttttttg 720
gtacccagnn an 732

```

```

<210> 36
<211> 119
<212> DNA
<213> Homo sapiens

```

```

<400> 36
aaagccatca ttatatatta aaagagcaga ggtaattctg tcttctccgg ttgtgcagca 60
cgatctgctc cagctcgtca tgccagggcc cggaaaacct ccaccttctc ccggtacag 119

```

```

<210> 37
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<400> 37
ccactttctt tcccacotgg gaaggcggca totatgactt cattggggag ttcatgaagg 60
ccagcgtgga tgtggcagac ctgataggtc taaaccttgt catgtcccgg aatgccggca 120
agggagagta caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt 180
cccgtgcat tcccctatgg gtcggagccc ggggcattga gtttgactgg aagtacatcc 240
agatgagcat agactccaac atcagtctgg tccattacat cgtcgcgtct gtcaggtct 300
ggatgataac acgctatgat ctgtaccaca ccttcgggcc ag 342

```

```

<210> 38
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<400> 38
aaatgaagtc tcctgaagac ctctcttctg gcaaaaaaaaa cacgtatcag actctgggaa 60
aacattcaga cccacttcta gctattactg aaataaatga ttagaaagtt acgttggtga 120
gccgaagtta aacctaaagc tatcccctgg atctttctag caataaaccc atgttggaacc 180
taccatgaaa actttcatte actgtgcttt tggttacggt gcttcctgat tagtcattaa 240
ttttaatgag gttttttcct tgtgttgagt atgaatagac cttacagttt gaggatctct 300
agaattccct gaattattgg aaagacatte atgactccca gtgtgactag ttaagagccc 360
cagggagcct gtgaagacta gaatctacaa gtaacctgca ctaagaacga aattcagtaa 420
aggagactca agcttagctc ctgg 444

```

```

<210> 39
<211> 372
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 354
<223> n = A,T,C or G

```

```

<400> 39
aggtcactgg aatcaatagt taacaagatg gttgtccttt ggggccacag gtgtgttget 60
aacctccact tttcttcctg atttgctttg ctttcggggg tttgaggatg gtgtagttta 120
cgtacactgt atactgatct gacaggaagg ggacatagaa tgcccgcagc agctttgaag 180

```



```

atctagaagc atcaaggaat ggtctatagg ccaagctgat ccattcttct ttattggatg 240
aatatttttg ctcccggggg gtttctctca tgggtgtccaa atccactaaa taatggcatt 300
tactgatatc aatataatctg gatggctctt ctagattctg gtcattcatg tcantaggaa 360
caatccgggt gg 372

```

```

<210> 40
<211> 288
<212> DNA
<213> Homo sapiens

```

```

<400> 40
aaagcaaata caaaacagaa cagaggattc aaaccgcaag tatgggagat ttaggccctg 60
cagaggcaga ccattcctta gtatctcaca aagcagagta atactggagg cagagtaggg 120
ggtgggttga gagcagttag tacaaagagg cagaacagtg tctggtttac ttggcataca 180
cagaatctgc actgccggtt ccagaactgc aaagtgggtg aactacagga gatgtgggta 240
tttagactcc aaagtttata ctgagctcag tgccctgggac cgctccag 288

```

```

<210> 41
<211> 682
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 487, 515, 563, 565, 600, 615, 618, 626, 634, 638, 664, 669,
673
<223> n = A,T,C or G

```

```

<400> 41
cctgagaccc tcaacagtgc tgtgtgtaca gaaggccccc agaateccaca caaagggggcc 60
gcctgaaacc tagagcattt gtgaaggagg aaaatggaag gaacaactgg atgtttgtaaa 120
tgtttctcat ctggccttaa aatccatgaa agctggaaaa tcacaaggca tctgtgcata 180
tactgttgga ttttaattgag agtccctgtg ttggagcacc agaaataaac cagcttcaga 240
agcaaagtta acaggaggag gaagtagagc tagagatgga aggagaccca gccagcccgg 300
gctccagtga catcggctgg tacacgcttt tgtttgctta cgcttggtga actgagtttt 360
tcatatgtaa ctaacgaata ctggcacatg atctgaacgt ctatgacact ctttcgagct 420
tgacacagtg aagaacatag aaggagactc acccatctgc cagggtcaca gaatgatcat 480
actcaanatt ttctggggag tcaatggcaa atttncctggg tattttacag atgaagaagg 540
acttaagaag gtcttggggac ccnancacg gacacccctt actgattttt ggaacttgtn 600
tttgacttc gccgnacncc ttagngaat tcanaccntg ggcgttctta tggatccac 660
tcgnccaant tngntaatat gg 682

```

```

<210> 42
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 250, 265, 269, 294, 299, 306, 317, 328
<223> n = A,T,C or G

```

```

<400> 42
aaagccaact cttctatata atcagtttga tgatctgaat tagaaaatac cgctggataa 60

```


<223> n = A,T,C or G

<400> 45

```
gaagactatt ctcagcaatc agactgtcga cattccagaa aatgtcgaca ttactctgaa 60
gggacgcaca gttatcgtga agggccocan aggaaccctg cggagggact tcaatcacat 120
caatgtagaa ctcagccttc ttggaaagaa aaaaaagagg ctccgggttg acaaattggtg 180
gggtnacaga aaggaaactgg ctgccgttcg gactattttg tagtcatgta cagaacatga 240
tcaaa                                           245
```

<210> 46

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 151, 190, 200, 214, 225, 226, 248, 270, 274, 279, 282, 289,
290, 303, 306, 309, 315, 320, 331, 333, 338, 349, 352, 358,
359, 365, 369, 374, 378

<223> n = A,T,C or G

<400> 46

```
aaatgagggt ttaataatct taattatcta ccaaaagtag attacgacgc atgaagatca 60
cataaaatga acttcacttc tcagcatcac aaacatttgg aatacaaaaa gtccagggat 120
ggatattaga agtaagaaaa gtacaaaaga ngtttgctta gaaataacaa aaaattaaaa 180
aaaaaaaaan ggatcccccn tccccccaat cccnataatc ggggnntagc caaccatcgg 240
ggtaaagnct cctttttgct cactcctgtn taanaatgng gngcccacnn aactggtttt 300
ttncanttnt tgtgngccan aaaaaccctc ncnccctngc cgggggggng gncgttttna 360
aaagnggcna aatntccnag c                                           381
```

<210> 47

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 19, 50, 145, 151, 155, 262, 267, 273, 287, 311, 327, 328,
331, 342, 353, 355, 356

<223> n = A,T,C or G

<400> 47

```
cggggcangt aaatttggang tgggtcttaag aataacaaat gaacagaatn ccaaattttt 60
gaaatagggt aactgctgca gttacaggta tacatttagg aaaactgtat agctcttaca 120
agaccagcaa tgtaacttta ttttngcatt nattnaattg aaaatataaa caataattaa 180
aaaataaaaa gaaaatacag cataataaaa aacatacgtc tctcaattaa atgtactgga 240
tacatataaa ttttaaggga anaagcnaaa aangaaaatg attgatnttt aagtgcagac 300
tgactaccta nacaaaaaaa aaaaaanntt naaaaaaatt tnattaacc ccntnnactt 360
tttg                                           364
```

<210> 48

<211> 486

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 325, 344, 381, 426, 438, 450, 455, 465
 <223> n = A,T,C or G

<400> 48
 ggcggtacc agtgtaaagc cagagctgag gttcttgata gtccacaatg ggtgaaccac 60
 agcaagtgag tgcacttcca ccacctccaa tgcaatatat caaggaatat acggatgaaa 120
 atattcaaga aggettagct cccaagcctc cccctccaat aaaagacagt tacatgatgt 180
 ttggcaatca gtcccaatgt gatgatotta tcatccgccc tttggaaagt cagggcatcg 240
 aacggcttca tcctatgcag tttgatcaca agaaagaact gacaaaactt aatattgtct 300
 atccttatta atttctttgg gacnttcag atattttaat taanggagcc cctgggagtt 360
 taaaacgaga aagagaaaact ngaaagatct taaagctggt tttttgtaca cgtgcatcat 420
 cttatnaatg aataccgncc ccaccaagcn agaanaacct tgaantcatg atggagggcc 480
 agaaac 486

<210> 49
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 285, 323, 328, 343, 353, 354, 357, 373, 385
 <223> n = A,T,C or G

<400> 49
 aaattgtatt gaacagggca tataaaatgc attctgtacc ctgatctggc atatagcttc 60
 aaaactgcag tggcgagtgt ccactcttta gttagctacc ttaactgtcc acccttacta 120
 cctgtgggat cgttacctgg tttgtcttct ctgtgtcctg gagcaaagcc agttcctaaa 180
 actaaaactc cattctagtc ttgggaagaa aagtttctac tcagaactgg ggaaggagtg 240
 gaacttatga cttgggcctc taggetgtct ctgtcccctc agctncccg catgcattta 300
 ctctctgccg ggggtctgca gtnggttnca accctaccct ctnttttggc ctnnagnctt 360
 tacaacccaa ggnaagaagg gcctngggct cttccct 397

<210> 50
 <211> 92
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 72, 84, 85
 <223> n = A,T,C or G

<400> 50
 cgcgtgaaga ggaagaatgc caagaagggc caggggtggg ctggggctgg agaccgacga 60
 ggaggaggat tnagtcact tgnnctctg gg 92

<210> 51
 <211> 306
 <212> DNA
 <213> Homo sapiens

```
<400> 53
aaaaaaaaatcc aaatgctggc attgtccaga aaaatttaac aggttttattt ataattatta 60
taaagttgaa ccgctgaaac ttgttcactg aaacatttta acttgcatta atgcttttacg 120
tctccgcatt tatattaaaa attcacacac aaatgaaaat ggaaaaactg ccaataacctg 180
at ttctgncc cctatttttc cactcgcaat catntactta ngtaaccttt gaccccatgg 240
aaaaaaaaann ttaaccgttc aggactnccc attaccggaa gaaaaaaaaa tttttttttt 300
ttggnaaaaa aaaaagt tcc c 321
```

<210> 54
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 322, 394, 457, 481, 485, 510, 528
 <223> n = A,T,C or G

<400> 54
 aaaaatgtaa caaacatcta aatatctgac aataaaatct gaaatgctgt aacttcaaca 60
 ttaactgcac catccaaatt cttgtgactt acgcattttt gcccaattta acctttctga 120
 tgttcccctg ccccagaca ccataaatgc attgtaattt tgaaaatata tgccaactac 180
 acactgaaaa ttttaacctg atcaattgac ataataataa atctgtccca aagcactgaa 240
 acaagaaaat ctataaccatc atgctacaga cgtacttaga aaacttaaaa ggaagaagta 300
 aatatcagct cagtgattta tnatgaagct aataaaattc aaggccagta ttcttaagtg 360
 taatgaacat tattttgaaca ttcacacatg aaanggtaac aaagggctat gaacttgggg 420
 taacttttaa acgtttcaga tgtccggagt tcaccanatg taattggatt caggtgggat 480
 nccgncgctc ctcggccttt ttaagtgaan gcgtgtgctg cctgactngg cgcttgcctg 540
 gcctcag 547

<210> 55
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 315, 321, 327, 336, 358, 364, 367, 369, 383, 392, 425
 <223> n = A,T,C or G

<400> 55
 aggagacagc cagaagcaag cttttggagc tgaaggaacc tgagacagaa gctagtcccc 60
 cctctgaatt ttactgatga agaaactgag gccacagagc taaagtgact tttcccaagg 120
 tcgcccagcg aggacgtggg actttctcaga cgtcaggaga gtgatgtgag ggagctgtgt 180
 gaccatagaa agtgacgtgt taaaaaccag cgctgccctc tttgaaagcc agggagcatc 240
 attcatttag cctgctgaga agaagaaacc aagtgtccgg gattcagacc tctctgcggc 300
 cccaagtgtt ccgtnggtgc nttccanaag cagggngtat gctcacattc atggcctntg 360
 acancgnang aagaagtggg gtngatggag cngacgtccc taatgtccgg cttgagagcc 420
 ccacnccgc gtccttgcc 439

<210> 56
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 303, 332
 <223> n = A,T,C or G

<400> 56

```

aaaaaaatca acagtgttaa cagtgggtgg gtatgtttcc agacccctca attcaactcat 60
atgtacagac aggattgacg gggggaatcc ctaaactttt tattctaaca agtttttattt 120
atattatttc ttttttgaca tggagtctcg ctctgtcgcc caggctggag tgcaatggcg 180
tggcctcggt tcaactgcaac cttcgctcc cgggtttaag caattctcct gcctcagcct 240
cccaggtagc tgggattaca ggtgcatgct actgcgcccg gctaatttat gtatttttat 300
tanagatggg gttcaccata ttggacctcg gncggacca 339

```

```

<210> 57
<211> 432
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 162, 172, 232, 240, 246, 252, 271, 273, 296, 313, 324, 370,
380, 418
<223> n = A,T,C or G

```

```

<400> 57
ctgcccaagg gcggttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagaggccc accctgtatg angaccccc anatcagaaa 180
acctcaccca gtggcaaacc tgccacactc aagatcttct cttggaatgt gnggatgggn 240
ttcaancctg gnttaaaaaa aaaggattat ntngggtaaa ggaagaacc cagatntact 300
gtgccttcaa ganaccaatg ttcnagaca aactccagac ctcgcccgcg acacctaagg 360
cgaattccan acactgcggn cgtctagtgg atcgactcgt ccaacttgcg tatctggnat 420
actgtttctt ga 432

```

```

<210> 58
<211> 217
<212> DNA
<213> Homo sapiens

```

```

<400> 58
aaaatcctga ttttgagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60
ttgttgatt gttattttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgtagg tggtttatag ttcttttggc taacaaatca ttttgaaat 180
aaagattttt ttactacaaa aaaaaaaaaa aaaatat 217

```

```

<210> 59
<211> 566
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 252, 285, 298, 332, 337, 415, 445, 469, 472, 473, 479, 487,
494, 515, 531, 543, 551, 557
<223> n = A,T,C or G

```

```

<400> 59
cctacacgcc gccgcttggt ctgcagccat gtctctagt atccctgaaa agttccagca 60
tattttgcga gtactcaaca ccaacatcga tggggcgcg aaaatagcct ttgccatcac 120
tgccattaag ggtgtgggcc gaagatatgc tcatgtggtg ttgaggaaag cagacattga 180

```

```
<210> 60
<211> 234
<212> DNA
<213> Homo sapiens
```

```
<400> 60
cctgggtggcc tactctggga gcagcgactc cgagtcacgc tcagacagcg aaggcaccat 60
caatgccacc ggaaagattg tctcctccat ctccgaacc aacaccttcc tcgaggcccc 120
ctagtttctc cgctccctaca cagggaagctc ctcccccaag gtatagtcga cegttcatgc 180
tgccctatagg cattatgtcc ctcaaaaaaa aaaactcctt ngcctgcata ctgt 234
```

```
<220>  
<221> misc_feature  
<222> 215, 340, 344, 362  
<223> n = A,T,C or G
```

```
<210> 62
<211> 455
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 249, 251, 305, 309, 313, 328, 334, 340, 350, 372, 384, 390,
394, 401, 408, 413, 422, 440, 441, 442, 450, 453
<223> n = A,T,C or G
```



```
<220>
<221> misc_feature
<222> 284, 324, 334, 344, 346, 349, 401
```

<223> n = A,T,C or G

<400> 65

```

aaaaactgac taggtcaaaa atagttacgc ctgcagggttg acctattcag actttgccaa 60
actcctccaa gttcaatata aattgacgtt ttcagagtac aaagtcaatt ttacggaaac 120
gctgttcctc cttttccatg gagccaatct gggtaatttt ttcattaaaa ttcttcttct 180
gcctgtttgc tgcggaaactc tttgagctgc tgtagcogct cgatagtttc agaaatgggtg 240
cgttccccgt ggaccttatt gtctcttgtg cggatattaa cagngccact gattttctct 300
ttttcccaac cacctaaaat gganggtata ctgnggetta ctgngncant ttcgaatctt 360
ttttattcaa tggtagcagc cctgggatcc cagaatcaaa ntgggtcttg cccttggaac 420
ttttggg                                           427

```

<210> 66

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 328

<223> n = A,T,C or G

<400> 66

```

aaatgacgaa actcagcggg aatatattca gggattgaag aggttaatga ccatttgcca 60
gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180
caacaggaat gaggaaagaa gaaaactgga gtttccagtc tctgagttct acctgatgta 240
actcttgatt ggttttaaga actttgttgg ccttcatttc atatctgact gcaagctgat 300
ttttctttct tgctttcatt ttaattangt cccaaaatta aagtttttac cttgccccgg 360
gc                                           362

```

<210> 67

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 181, 184, 213, 217, 219, 235, 240, 246, 267, 275, 276, 281, 285, 287, 298, 305, 312, 314, 323, 332, 339, 345

<223> n = A,T,C or G

<400> 67

```

cctgacgttt agagaagggtt acaaaggcgg ccaggatctg agtattttcca aaaagctctg 60
gaggcagcat tgaggtttcc ttccagttga atcactgact ttaggtcgac tggggacttt 120
tgggtttttt gggccatttt ttgggggtgt gggaagcttt tctcacagat ttactacgag 180
ngngnaaaaa cttggcctct ggcttttttg gantctngnt cgcactcttc ttcncagcn 240
aaggantttt ttcttctact gcctctnctt tgatnnttag nttgntnctc tgggcttntt 300
ctctnggggc cncnaaactc ctncagcttt tngggggtnt tcagnatgct tggcttg 357

```

<210> 68

<211> 395

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> 232, 250, 259, 295, 298, 302, 308, 312, 316, 323, 335, 343,
355, 359, 362, 366, 373, 383, 385, 390
<223> n = A,T,C or G

<400> 68
ctgacattta ttatttttgggt ttcatttttcc tttttgcgtc tttatgtttc tttcgacaat 60
ccatacgcag gttgggttgtt ctggcctccc aagagttcct gtcataatta cttcctactc 120
ctctccagaa taagtcagaa cttgaagtc gttcatcatt cttagagaaa aagaaaaatc 180
tagtgggtctc tttctcaagt aatgatgctt ctctgaaaag aaagggacaa angagagaga 240
aaaataggtt ttggttggtt taatttcaat atttaagaag aaatatttac attcnaaac 300
anaaaatnca cnattntgtt aanattatat ccttnttcag ttccccccct tcaancceng 360
ngggancgga agnactcttt aantntatcn tgcct 395

<210> 69
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 244, 246, 282, 301, 327, 328, 331, 344, 345, 346, 356
<223> n = A,T,C or G

<400> 69
ctgggaacaa ctttcttcaa actacctggt ggtgaactta acccaggaga agatgaagtt 60
gaaggactaa aacgcttaat gacagagata ctgggtcgtc aggatggagt tttgcaagac 120
tggttcattg acgattgcat tggtaactgg tggagaccaa attttgaacc tctcagtat 180
ccatatattc ctgcacatat tacaaagcct aaggaacata agaagttgtt tctggttcag 240
cttnangaaa aagccttggt tgcagtcgct aaaaattaca anctggttagc tgcaccattg 300
nttgaaatth ggttgacgat ggcaccnngg ntttgggacc cctnnntttt ttagtnttcc 360
ctt 363

<210> 70
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 119, 168, 190, 205, 206, 219, 227, 230, 244, 248, 253, 254
<223> n = A,T,C or G

<400> 70
cctattctct tgttgaccag ggtcaagacc tgctctgtga tgcaggctac cttcatcctg 60
acttctgcgg ctggatcctt ggtgatggag aagtcacgcc gaacatagat gataacggng 120
aagaacagga tgtagaaggc cgcaccacc agcaggggct cctgcagnat gaggaccttg 180
ttgaacgtgn agtgaccac aatgnnctga atgggctgnt ctaccanatin tttctttag 240
ggcnacantc acnnggcggc caaatgtgg 269

<210> 71
<211> 546

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 420, 455, 535, 544
<223> n = A,T,C or G

<400> 71
aaactaaata tataaatcta taatgttaaa catatgttca ttaaaagcat agcactttga 60
aattaactat ataaatagct catatttaca cttacagctt ttcatttgat caggtctgaa 120
atcttttagca cttaaggaaa atgactatgc ataattatac ctgaccatga aaaaaataag 180
tacctcaaat gcatgcattt gcactgggtga ttccaactgc acaaactctt gtgccatctt 240
gtatataggt attttttaca tgggttgaca tgcacacaac accattttca ttcagtatga 300
accttgaggc tggtgccatt ttcccttaa ccaaaccaac ctgaagggtga cctcgaaact 360
tgtttcataa atctttcaaa agttgtttta catcaatgtt aaaatttcaa aatgctgcan 420
ggcaatttaa tgtataaaat attagtaaga aaaantatgt atggcatact tagtagaata 480
gatcacaca tacaattca atcaatgcat gctttagggtg taagcatgag aatgnacatg 540
ttntng 546

<210> 72
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 315, 338, 341, 383
<223> n = A,T,C or G

<400> 72
ccagtcagtg ttcattgtctc tcaccagtgct ctggagggtc cccagccaag gaaagaactg 60
gtcagttcct gccagcagct tgagctggaa tgccctggga gggtcagtag aggggtggtca 120
cttgaggagc ttcacagaga ggcggtatgc aacatgcag aggaagatgt ccatgaggtc 180
atggcctgcc tcctgtgcta tctgggagat cacgtggccc ttcggaccaa tcaggagtgt 240
ctgagggtat gtgaaagaga aggaagccag gaatgatggc acatgcctgt agtcccagct 300
acttgggggg gtaangtgag aagatccttt gagcacanga ntttgagtcc acctgggtaa 360
cagtgcgacc cctctttacc tcngecgagac cagcg 395

<210> 73
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 14, 16, 21, 25, 38, 329, 333, 390, 412, 429, 451, 455, 470,
482, 483, 486, 498, 499, 511, 519, 524
<223> n = A,T,C or G

<400> 73
aggtaaaaaat gggncncaaa ntcgnggtgg accaaacnaa tccacattta tttattgatt 60
tttcgttagt ttaaatcctt gaggggtaca gcatcactcg gattctgtgt ccaatggcct 120
tagcaggaag attgcttcgg aatttggcac gaaccatgcc actgtttcca tgggcccag 180

```

ttacttttcc ccagatgact ctggttttgt ttggtttgcc gccaggagtg actgtgttgt 240
tctttgtctt atatacataa gcgcactctt tgcccaaata gaattctgtt tcatctcggg 300
cgtaaaacac cttcaatttt aagaaaganc tngtgcctcc cttgggttcc ggagaccccc 360
ttatgccagc aaaaatggcc ttggaccan ccttcagaa tagtcctttt anaagtcccg 420
ttcccacang actgccgggc ggccgtcgaa nggcnaattc cacacacttn ggggcggtct 480
annngnatcg agctcggnnc caacttggcg naatatggnc atantgt 527

```

<210> 74

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 345, 462, 466, 478, 521, 549, 553

<223> n = A,T,C or G

<400> 74

```

ccaagccaag gaaaccattc ccttacagga gacctccctg tacacacagg accgcctggg 60
gctaaaggaa atggacaatg caggacagct agtgtttctg gctacagaag gggaccatct 120
tcagttgtct gaagaatggc tttatgccca catcatacca ttccctggat gaaaccgcta 180
tagttcacia tagagctcag ggagccccta actcttccaa accacatggg agacagtttc 240
cttcatgccc aagcctgagc tcagatccag cttgcaacta atccttctat catctaakat 300
gccctacttg ggaaagatct aagaatcttg aatcttatcc ttgncatct tctgttacca 360
tatggtgttg aatgcaagtt taattaccat ggagattgtt ttacaaactt ttgatgtggg 420
tcaagttcag gtttagaaaa gggagtctgt tccagatcaa tccccnaact gtgcccangc 480
ccaaaggaga cactaactaa aggagtgaga tagattttta ngggaaacat tttccaagt 540
cttggcatnt ttnaacc 557

```

<210> 75

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 317, 339, 340, 346, 365, 378, 389, 394, 438, 459, 469, 471, 475, 500, 516, 517, 528, 536, 537

<223> n = A,T,C or G

<400> 75

```

aaaagcagct tcagctcaaa cagcaccagt gctacatgga cagcatggca gcgcagccgc 60
tccatgcgga aaagaaaaggc aactgctgct tcaaactgcg ctgtcaggaa caggacttgg 120
aagtagagga agggttgctg gttcacogta aagtgggact cgccatagtc ttccaacaac 180
tgcttctgga actgtgagag agtgagcctg tcttgtgggg agctggtgcc atcgtcgtca 240
aaacacactt ggttcaactt cagccacagg taatcctcag ttttgtccgg cacttcactc 300
tggttgcgg tgaccgncac attttgccaa tgatacagnn cacggnccgc ttgtagggat 360
ctgtnttgtt ccttgagngc cctacggtna tgcngccgga gcttgttttc cgtagctggg 420
gacaatcttc tgccttontg tcatgtctcc tggaaccang ttttacctng nccngacca 480
cgctaaaggg cgaattcaan aacttgggcg ccggtnncta tggatccnaa ctcggnncca 540
agcttggggg ta 552

```

<210> 76

<211> 451

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 42, 314, 366, 426
<223> n = A,T,C or G

<400> 76
ggaacctgcc atgaacccaa caaatgccaa tgtcaagaag gntggcatgg aagacactgc 60
aataaaaggt acgaagccag cctcatacat gccctgaggc cagcaggcgc ccagctcagg 120
cagcacacgc cttcacttaa aaaggccgag gagcgcgagg atccacctga atccaattac 180
atctggtgaa ctccgacatc tgaaacgttt taagttacac caagttcata gcctttgtta 240
acctttcatg tgttgaatgt tcaaataatg ttcattacac ttaagaatac tggcctgaat 300
tttattaact tctnattaaa tcacttgagc tgatattact ctctctttta agttttctaa 360
gtacgnctgt agcatgatgg gtagattttc ttgtttcagt gctttgggac agattttata 420
ttatgncaat tgatcagggtt aaaaattttca a 451

<210> 77
<211> 136
<212> DNA
<213> Homo sapiens

<400> 77
gtgaagaagg cagctctcac tcaggcaaag agccaaagga cgaaacaaag tacagtcctc 60
gccccagtc ttagacctgaa gcgaggtggc tcctcagatg accggcaaat tgtggacact 120
ccaccgcatg tagcag 136

<210> 78
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 322, 330, 352, 365, 369, 386, 451, 463, 482, 487, 530, 535, 543
<223> n = A,T,C or G

<400> 78
ctgtgcaaga tgcctcagtg tgatgcaaag actctatatt ggaaaaatta caacttggtc 60
taaaaactta ttggtgttga tatttttaat caaaaataaa ttataaaaa aatcctttta 120
tggaactattt cagtttaata tacagtaata cactgtagat aaagttaata ttccccccac 180
taatttaata gggattgata tcaatgtttc tgatcactgg agaaataaaa actaatgtgg 240
acctttgata tccatggcat aggaggatcc ccacagttta tcctaagagg atctggggaa 300
tattaaatat tctaattcca gnggcttagn caatatgaat tttaagtaca angatatttc 360
aaaancagng gtttggaata aaaaantaat caaaacccat aatcacatct cttgtggata 420
acaatattaa tataactttt taccacacca ngacttgctt gtncaaactc agaactgaaa 480
gnttggnctc gtagacttct ggtaacaatc tggcaaacac taaatggagn gtggncttat 540
ctnttt 546

<210> 79
<211> 545
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 306, 311, 323, 501, 516, 525, 532, 534, 537

<223> n = A,T,C or G

<400> 79

```

aaacatggat aaaagtatta catgggtcca ctgttaaaac agacaacatg tggcaaatta 60
attctgggat catgttttcc aacaaagctt agaaaataaa ggtgttgagg tggctttgga 120
ctaagtttaa tagtcatctc ctctgctgac aacttcttta catgttggac gcaacaggat 180
ggtatgttca aattgcgctg tatatgatcc tttaatgtca cataatgggt gatatggatc 240
tacaatgccc aagtcacaca gattcttcag agccatcaag ttttacttt ctccaagcg 300
atccanccat ntggcggcag aangcaaagg gtcccaaagt ttccattgat gacatttaac 360
aagtgttttg ttcttgaag cttattggg cacatgtcca acatcaaaat ttttcatgta 420
atgtgaacat tccatatcat catgaacaac accttttcct gtactaccaa atgtttcaat 480
tgcataact tctccttcct ncattcttgt tggtcncctt ctttnacaat cngnacntgt 540
tttcc                                         545

```

<210> 80

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 257, 321, 374, 391, 413, 430, 436, 442, 447, 448, 458, 469, 472, 474, 479, 498, 507, 513, 522, 524, 537, 542

<223> n = A,T,C or G

<400> 80

```

aaaaatgggg cacaaatata ggcaggtaag agacagacag ctctcatccc tgcactcttg 60
gctttctgag agatatgacc ccaaggtoct ggagtctagc tgctgcttcc tctctggga 120
aatagaggag tgatattggt agtacctagg gcatagcact gctgggacaa ttcagtgatt 180
tggggactga tctccatata aagatgacct gatcctgtct gtgtgcggga cagtggctag 240
cacggagccc ttgttangcc cgcctaccat ctgacccttc tcaaaccctc ccgtctgagg 300
acatctgcat gcaccacttg ncccttccaa tggtgtgtctt actctggatg gccctgacac 360
ctggagaagg ccanacaagc caagtgggtt ntctaaggac ctttgtgaat tcntaggacc 420
tcgggccgcn accacnctta angggcnnaa ttcccagncc acctgggcng gncnggggnc 480
ctaattggaa tcccgaanct tcgggggnccc aanccttttg gngnaatcca tgggtcnatt 540
ancttgg                                         547

```

<210> 81

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 335, 337, 348, 380, 403, 441, 476, 484, 500, 508

<223> n = A,T,C or G

<400> 81

```

aaagtttgtg cctgtaatac agtccgtgat atactggaag gcagaacaat tagtgttcaa 60

```

```

tttaaccagc tatttcttag accaaataaa gagaaaatag actttcttct tgaggatatgt 120
tcaagatcag taaattttaga aaaagcttca gagtctttga aaggaaacat ggctgctttt 180
ctaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat ttcttcacat 240
gagcttttca ttacattggt gaaagatgaa gaacgaaagc tacttggtga tcagatgagg 300
aagagatccc cttgagtaaa tctgtgcatt aaccngnaac ttcatttnat gatatcccca 360
gctcagcaag gagtcaacan tgggcagtta gaagcatcaa ctnatattgg ccagtgggat 420
cctggggagg attagacaaa ntttaatcga attaccatgg gtgttgactt tcaganccgc 480
ccanttctgg gacaggggcn tattaagngg ggaaa 515

```

```

<210> 82
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<400> 82
cctttcccca ttgctccttt cccattgct caatggattc catgtttctt tttcttgggg 60
ggagcagggg gggagaaagg tagaaaaatg gcagccacct ttccaagaaa aatataaagg 120
gtccaagctg tatagtattt gtcagtattt ttttctgtaa aattcaaaca cacacaaaag 180
aaaaatttat tt 192

```

```

<210> 83
<211> 572
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 339, 349, 350, 467, 510, 537, 549, 559
<223> n = A,T,C or G

```

```

<400> 83
ctaatacgac tcactatagg gcagggtgcag gcagctaggt gatggcaaga gatgttcact 60
tgaagatctt gccctgattg aaggctttgc ccacatgctg gaaggccccc tcccaggaaa 120
agtactctcg aaccagcgtc tgggtctcct cgctgccagg atccagtttc cgccatgtgt 180
atgactcgta gtccacctgc caatctggac tcagcggaaa ggcaagctcc tggcctcgga 240
agaccagac tccagaaatg gagctgctat tggtggttcc aaaaaggatg aactggcgga 300
aggcattctt cctcagcttg tccagtcgct ggaacattnc agtgatgann atgcagctca 360
tgaaggctctg agtgagttct tcagggaagc gatactcttg agtaccacag ggaccagccg 420
tccttatcaa agtgcctcca gaaatatggc agtgccacag agagtgngtc ctcatgggag 480
tacttgcgct taaattcatc caacacaaan gtctcttggg cagtgaacga aggggtncctt 540
gccttgggnc acagccacng ctgtccatta tc 572

```

```

<210> 84
<211> 588
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 387, 447, 496, 527, 541, 548, 552, 557, 578, 579
<223> n = A,T,C or G

```

```

<400> 84
gtgaagcaac cttaggttac caaagtcatt ccacccatgc agtcaccttg tcattactta 60

```



```

cacttttctt ctttttcatt ttacagtaaa aaagtcaaga acatgtaaaa actgtggcctt 120
ttctggaatg gaattggaca tagcccaaga acagaaagaa ccttgctggg gttggagggtt 180
tcacttgcac atcatggagg gtttagtgct tatctaattt gtgcctcact ggacttgtcc 240
aattaatgaa gttgattcat attgcatcat agtttgcttt gtttaagcat cacattaaag 300
ttaaactgta ttttatgtta tttatagctg taggttttct gtgttttagct atttaatact 360
aattttccat aagctatttt ggtttantgc aaagtataaa attatatattg gggggggaat 420
aagaatatat ggactttctt gcaagcnaca agctattttt tacctgcccc gggcgggcgg 480
ctcgaaaggg ccgaantcca agaccacttg gcggcccggt actagtngga tcccaactcg 540
ngaccaanct tngcgtnaac atgggcataa gctggcgnnn tcccggaa 588

```

```

<210> 85
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 170, 303, 345, 350, 353
<223> n = A,T,C or G

```

```

<400> 85
ctgctctgtg ctgggcatct gtctactgct cagtactacc aagggttgta tgaaatcttg 60
gaattggctg aggacatgga aattgacatc ccccatgtgt ggctctacct agcggaactg 120
gtaacaccca ttctgcagga aggtgggggtg cccatggggg agctgttcan ggagattaca 180
aagcctctga gaccgttggg caaagctgct tcctgtttgc tggagatcct gggcctcctg 240
tgcaaaagca tgggtcctaa aaaggtgggg acgctgtggc gagaagccgg gcttagctgg 300
aangaatttc tacctgaagc caggacattg gtgcattcgt cgctnaacan aangtggagt 360
ataccctggg agaagagtcg gaagcccttg gacctgccc 399

```

```

<210> 86
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<400> 86
ctgtacaggt tctctgttct tcagggtcat tttcacagct ttaagatgtg tattcatgct 60
gacatccaca cctgtgattg ttccatggac ctgtgttccg ttcttcaatt caatggttac 120
agtttcatga ctcaatttca tcaaaaatct cacgagcttc atcctagcgg cgccgtcacc 180
ctctgggtcc gacagcacac agaatccttc aaccgaacac tgac 224

```

```

<210> 87
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5, 6, 20, 26, 55, 403, 454, 503
<223> n = A,T,C or G

```

```

<400> 87
caggnncaag agtttccttn accatnagac actgtactat gacacagacc ctttncctctt 60
ctacgtcatg acagagtatg actgtaaggg ctccacatc gtgggctaet tctccaagga 120
gaaagaatca acggaagact acaatgtggc ctgcattccta accctgcctc cctaccagcg 180

```

```

ccgggggctac ggcaagctgc tgatcgagtt cagctatgaa ctctccaaag tggaagggaa 240
aacaggggacc cctgagaagc ccctctcaga ccttggcctc ctatcctatc gaagctactg 300
gtcccagacc atcctggaga tcctgatggg gctgaagtcg gagagcgggg agaggccaca 360
gatcaccatc aatgagatta gtgaaatcac cagcatcaag aangaggatg tcctctccac 420
tctgcagtac ctcaatctca tcaactacta caanggccag tacatcctca cactgtcaga 480
agacatcgtg gatggacctc ggncgcgaac a 511

```

```

<210> 88
<211> 114
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 103, 111
<223> n = A,T,C or G

```

```

<400> 88
cctttcacaa ctaggactga gaatgtatgt aaaagtcttg tgacagtaca gaaggaaaac 60
aactttttat gtatagcttc taaaagggga aaaaaaaaaa aanaaaaccc nttt 114

```

```

<210> 89
<211> 609
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 499, 536, 550, 557, 561, 565, 570, 584
<223> n = A,T,C or G

```

```

<400> 89
cctttatgga tgaaagtacc cagtgccttc agaaggtgtc agtacagctc ggaaagagaa 60
gcatgcaaca attagatccc tcaccagctc gaaaactggt gaagcttcag ctacagaacc 120
cacctgccat acatggatct ggatctggat cttgtcagtg actttatgag agtttctgcc 180
acaaggtgcc caagaggaga ggaatgggaa gagtgcctcc gcacgtggtg actgcgtgat 240
ttctgctcgt tgcctttgaa gataactggc aggactgact gtagaacact ttgacttttt 300
tcaaaaagtg atggaatttg tacatccaaa tgaatattgt atagacaatt ttcccaggaa 360
tgtgcaaaat gcttgaaagt tcaaacttct tttttgaaat gatcttcaga tccagtggcc 420
cattctttta tctttatcct gtgaaggtgg ttttcaaggt ttgaaacaat ccaaaaatca 480
tttaagaacc aagtotaang aacatttttag tggaccttgc ccgggcggcc cctaangcga 540
aattccaccn cacttgnggc ngtncttan gatccaactt cggnccaact tggcgtaatc 600
atggcctag 609

```

```

<210> 90
<211> 594
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 439, 461, 468, 491, 506, 559, 567, 578
<223> n = A,T,C or G

```

```

<400> 90
aaacttcagc tcagtttctt aaccaagaac cacgtcaacc ctccagggtt gtggtttgta 60
tttttgcctt taagcattat ctcttttcca ccaagaagcc tacttaggtt taacacatga 120
aagcagtgtc taaaaattag atcggtccta aattggaatg ggatgtcttc cttgcatgtc 180
ccataccagg gaattttttt aacacacagt gtagagcctt tgccagagat gttgaaaggg 240
agattaaagg cttgagggat gaatttgatc atcattctta aagtcctctc caatcctgtg 300
attctctgat tccctgagtc tcgtttatta ttggacatgc ctagcccatc accagtgacc 360
tgcccgcata ttgctggcct cccttgata acggagagcc tatcaccaca tgcccttggt 420
gtcttccatc atatcaagng agttgcttctc tggacttttt ncatctanaa cctgctaagg 480
ttgggtttga naaaaagatg gagaantttc ttttcatgag tttgtagggc aaaaaaatt 540
ctttttacct gcccgggcng gccctcnaaa aggcgaaatc cagccccttg gcgg 594

```

```

<210> 91
<211> 363
<212> DNA
<213> Homo sapiens

```

```

<400> 91
ctgcaagcca ttcgaataat tcaagagaga aatggtgtat tacctgactg ctttaaccgat 60
ggctctgatg tggtcagtga ccttgaacac gaagagatga aaatcctgag ggaagttctt 120
agaaaatcaa aagaggaata tgaccaggaa gaagaaagga agaggaaaaa acagttatca 180
gaggctaaaa cagaagagcc cacagtgcac tccagtgaag ctgcaataat gaataattcc 240
caaggggatg gtgaacattt tgcacacca ccctcagaag ttaaaatgca ttttgctaata 300
cagtcaatag aacctttggg aagaaaagtg gaaaggtctg aaacttctc cctcccacaa 360
aaa 363

```

```

<210> 92
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 148, 352, 373, 425
<223> n = A,T,C or G

```

```

<400> 92
ctgctcgaac actgagcttg tgtaaaagtt gaaccatgag gccacaaaag cgggtcaaagg 60
ttctgggaat tcgggtctgg ggattcactt caatcagaac attcttctgt gtatggatat 120
aaacctgtag caagccagct cggttcangg gactatccat cagcatcagc aaactctggg 180
gggtgatatc tggccgcgct tccccagggt cccgtccatt cttcaacaat atagacttgt 240
gcttgtcaca gttgagtagc tcatatgtct tcctacctt gactgtctcc agactggccc 300
cttcagcac cacaataagc ctacggcctc cgatcttggt tcctgcccct antcggggcc 360
gcttgggtgg canagcatcc caatcctgtg cctgctccca ccgcttcggt cacgaagctt 420
gaatncataa ccttcgggccg cgaaccacgc 450

```

```

<210> 93
<211> 537
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 157, 404, 406, 442, 453, 460, 487, 507, 513

```

<223> n = A,T,C or G

<400> 93

```
cctggcctca catgaccct gctccagcaa cttgaacagg acaagcagca gctacatect 60
taaggtcggg aaagtaagat gaggatttgg atcctgcatt gccctgcctc ccaccctatc 120
tctcccaaaa ttataaacag ccatccttgg gaagcangca gagttaagac gtctccccac 180
tgccctagtg acatacacac caacaggaga gcatgttcag atggcacaga atccagggac 240
tgcatttcat gaggagaaac tggtagcaaa atatgggtgg ggagtcgggg ggtgtgagaa 300
ggcaagcgca aagagaacct tcttccgttt ctactcatcg gatcctgacg ctgactcctc 360
tgactggggg gactactggc tagttcttct tcttcagagt actngntcct cctcctcttc 420
tttttgctct tgttctctcc cnaagagctc tcntcactan acacaaaactc tttgctcttg 480
aagcttntcg cttactgctt gaggacnact tgnatgatga cccctaaaag gcggggga 537
```

<210> 94

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 143, 370

<223> n = A,T,C or G

<400> 94

```
gcgagaagaa aaagggccgt tctgccatca acgaagtggg aacccgagaa tacaccatca 60
acattcacaa gcgcateccat ggagtgggct tcaagaagcg tgcacctcgg gcactcaaag 120
agattcggaa atttgccatg aangaggtgg gaactccaga tgtgcgcatt gacaccaggc 180
tcaacaaagc tgtctggggc aaaggaataa ggaatgtgcc ataccgaatc cgtgtgcggc 240
tgtccagaaa acgtaatgag gatgaagatt caccaaataa gctatatact ttggttacct 300
atgtacctgt taccactttc aaaaatctac agacagtcaa tgtggatgag aactaatcgc 360
tgatcgtcan atcaaataaa gttataaaat tgcaattttt tttt 404
```

<210> 95

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 400, 403, 407, 421, 431, 482, 488, 489, 492, 508, 516, 518, 521, 526, 532, 542

<223> n = A,T,C or G

<400> 95

```
aaaggtatth gctcattggg ctggccttaga gacaggaaga catatgagca ataaaaaaaa 60
gattcttttg catttaccaa ttttagtaaaa atttattaaa actgaataaa gtgctgttct 120
taagtgcctg aaagacgtaa accaaagtgc actttatctc atttatctta tgggtggaaac 180
acaggaacaa attctctaag agactgtggt tctttagttg agaagaaact tcattgagta 240
gctgtgatag gttcgatact aaggaaaaac taaacagatc acctttgaca tgcgttgtag 300
agtgggaata agagaggggt ttttattttt tcgttcatac cactattgat gaagatgata 360
ctaaatgcta aatgaaatat atctgctcca aaaggcattn atncttnact tggagatgca 420
ncaaaaacac naaaatggaa tgaagtgata ctcttcatca aacagaagtg actgttatct 480
cnccattnng tnaaatccta agcagaanac ataaanantc ntgacnaaaa anacacttgg 540
cntattactg gcttggaag 560
```

<210> 96
 <211> 618
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 394, 558, 598, 603
 <223> n = A,T,C or G

<400> 96
 ccaggctggt tttgaactcc tgacctcgtg atccacccgc ctcagcctcc caaagtgctg 60
 ggattacagg cgtgagccac cgcgcccggc aagaattcaa agttaaaaca ggttaccact 120
 ttcacctatt accatcagggt tgcttatttt tgttttatgt tttttatttg tatgcatggt 180
 tacttttatgt ttcagttttac taccocctaa ggcagcaaga gacgaggaag ataagcaaaa 240
 tagagatggt tttgacaact tggcactgag agactatcct aagggaataa tctgaaatac 300
 ataaaaacat tttatttcaca aaattggtca tcacagcatt atttacaata ctgaaaatct 360
 ggaaatagcc taaattttcta acaattgaaa gaangttaag taaattataa gactacacaa 420
 taaaatatat taccagcaat atatctttgt gaaaatctat aataaccaca cataatactt 480
 agtaaaaaag aacataaatt acatgataaa gaatatgatc agaacaatgc aaaaaattcc 540
 acccccacaaa aagacaanat ttatttggca tttcgtggca aaatttcatg tatttggntg 600
 gantttctaaa ttttccga 618

<210> 97
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 97
 aaaatttcct tccatttcag tatatgcata ctcagttcat cacatagtaa tatcaataaa 60
 aaaataaact tccatttcct ataagaaaaa cattaactta attcacagtt agccttttcc 120
 cacaacactc aatactccag tagcttctag gaagagaggt atattagtga taaaaatgga 180
 atattaaaaa tccatgactt gggagttaa acggagccctta actcctcctc tccccctacc 240
 tgaatcacaa aagggttttc ctgaaatgag aggggatggg actgggggtca gcaggattct 300
 cacctcggtc taactacaag gtacggggag aagacaggag ggctgg 346

<210> 98
 <211> 499
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 293, 430, 461
 <223> n = A,T,C or G

<400> 98
 ggaaaaatgct tctcagtcca cagttaaagt tctcatcaga ctactgaagg acttgaggat 60
 tcgttttccct ggctttgagc ccctcacacc ctggatcctt gacctactag gccattatgc 120
 tgtgatgaac aaccccacca gacagccttt ggccctaaac gttgcatata ggtacagcat 180
 gctttggggt taggggttgt tgtaaaactat tttgtgcatt cctttaatac ctcatacctc 240
 cctgtgttct aggcgcgtgt tgcagattct ggctgcagga ctgttcctgc cangttcagt 300
 gggatatcact gacccctgtg agagtggcaa ctttagagta cacacagtca tgaccctaga 360

```

acagcaggta ttgggacaga tatgaactga gttgttttgc cccactcttt tgaatactgc 420
tgctcagcan gcaaagtggg aatatggtct ttacgggtca ngaatttggg gattctgaaa 480
gactttgggtc ctgagattt                                     499

```

```

<210> 99
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 99
cctgctcgct gggcagacat accatgtggc tgtggtctgc tacctgaggt ctcagggtcag 60
agccacctac catggaagtt tcagtacaaa gaaatctcag cccccacctc cacagccagc 120
aagggtcagct tctagttcaa ccatcaatct aatggtgagc acagaaccat tggctctcac 180
tgaaacagat atatgcaagt tgccgaaaga cgaagggaact tgcagggtatt tcatattaaa 240
atggtactat gatccaaaca ccaaaagctg tgcaagattc tggatatggag gttgtggtgg 300
aaacgaaaac aaatttggat cacagaaaaga atgtgaaaag gtttgcgctc ctgtgctcgc 360
caaaccggga gtcatcagtg tgatgggaac ctaagc                                     396

```

```

<210> 100
<211> 274
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 264
<223> n = A,T,C or G

```

```

<400> 100
ccgccatggc cgaggaaggc attgctgctg gaggtgtaat ggacgttaat actgctttac 60
aagaggttct gaagactgcc ctcatccacg atggcctagc acgtggaatt cgcgaagctg 120
ccaaagcctt agacaagcgc caagcccatc tttgtgtgct tgcattccaa tgtgatgagc 180
ctatgtatgt caagttggtg gaggcccttt gtgctgaaca ccaaatcaac ctaattaagg 240
ttgatgacaa caagaaacta gganaatggg tagg                                     274

```

```

<210> 101
<211> 589
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 440, 454, 480, 538, 559, 566, 587
<223> n = A,T,C or G

```

```

<400> 101
cttttagaaa gccatcaaga agagacaaat cagttactta aaaaaattgc tgagaaagat 60
gatgatctaa aacgaacagc caaaagatat gaagaaatcc ttgatgctcg tgaagaagaa 120
atgactgcaa aagtaaggga cctgcagact caacttgagg agctgcagaa gaaataccag 180
caaaagctag agcaggagga gaaccctggc aatgataatg taacaattat ggagctacag 240
acacagctag cacagaagac gactttaatc agtgattcga aattgaaaga gcaagagttc 300
agagaacaga ttcacaattt agaagaccgt ttgaagaaat atgaaaagaa tgtatatgca 360
acaactgtgg ggacacctta caaagggtggc aatttgtacc atacggatgt ctcactcttt 420
ggagaacctc cgaatttgan tatttgcgaa aagngctttt tgagtatatg atgggggtcgn 480

```

```
gagactaaga ccatggcaaa agttttacca ccgtctgaag tccctgatga tcagactnag 540
aaaatttttg aaagagaana tgctcngttg atgtttcttcc ctccagnng 589
```

```
<210> 102
<211> 209
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 7, 48, 71, 81, 84, 93, 105, 113, 121, 134, 139, 204
<223> n = A,T,C or G
```

```
<400> 102
aaatttnggt taaaaattta aaccggcaaa cctttccaaa cctttaantt aaaggaggag 60
gcccgcaaaa natttttagg ngngggcccc cncctttcct ttaanggcaa atnggcccaa 120
ntagggcctt tcnngcaang gaccaggagg cctcaggccc cccaaagctt aggttagcaa 180
ataggagcaa tttaaattcc tagnccaag 209
```

```
<210> 103
<211> 655
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 447, 467, 494, 509, 512, 530, 539, 544, 553, 559, 568, 575,
577, 595, 596, 604, 609, 618, 626, 634, 637
<223> n = A,T,C or G
```

```
<400> 103
aaactttcaa agaatcactt ttaggcttac aaaaataaat atttgtcaaa atgttcaata 60
aatattacat aaaactagca gcaaaaagta tctagaaatc tgtcgtgtgc aaatagtttt 120
cttcccaact atcattccca tggccccaaa taaatttttag aatctagtcc catccccctc 180
ctagacaagc tgcgttcaac aatctccaag agacaaagta agattggaag tttaaggaca 240
cgcacacaag acatatatat aaaattctct gaatgtgcaa taaaagaagt actttgtaaa 300
aagttatggg caaaatgtac aagggcctaa acctagacta attgaaatag caccataaca 360
aatgacctca atactgtcaa gtgcacctac ttaataaaag ttttagaaca aggcacaata 420
cacttggaag atctattgca cttttangaa aatttttgcc cgtcttncct ttgccactgg 480
taaaaaagat ggancgggtt ttggatcanc cnccattttt ggaacctttt gggcccggn 540
accncccttt aangggcgna aattccancc ccccntnggg gggccgggtt ctttnngggg 600
aatncccana cttcgggncc cccaancttt gggnggnaaa tcaatggggc catta 655
```

```
<210> 104
<211> 352
<212> DNA
<213> Homo sapiens
```

```
<400> 104
ctgttgctta ccatgcccaa aataatcctc cagttcctcc aaagccacag ccaaagggtc 60
aggaaaaggc agatatccct gtaaaaagtt cacctcaaac tgcagtgcc tataaaaaag 120
atgttgggaa aacctttgt cctctttgct tttcaatcct aaaaggacct atatctgatg 180
cacttgcaac tcacttacga gagaggcacc aagttattca gacggttcat ccagttgaga 240
aaaaactcac ctacaaatgt atccattgcc ttggtgtgta taccagcaac atgaccgct 300
```

caactatcac tctgcatcta gttcactgca ggggcgttgg aaagacccaa aa 352

<210> 105
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 144, 309, 344, 347
 <223> n = A,T,C or G

<400> 105
 aaataatcca ggcaggagaa gagaggaggg cacacttggg actccccctcc ccacaatcag 60
 tgattatttta catttttagta attggacaat cccggctcag gaggagggtg caagaatctg 120
 caaaagttgg agggagcgcc ccangagaac aaacagcaag ccttatttcc cctagcccat 180
 cccccaaaaa accatccatc ccatectagt gtctggtggg gtccgggtgg gtccatcttc 240
 cattccttcc caaattatgg aagtaagggt cttctcacca gaataagagc acttgggata 300
 acagagtang gtccccctcac ccaaaaaaaaa aaaaaaaaaa aacnctnggg ggaaa 355

<210> 106
 <211> 102
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2
 <223> n = A,T,C or G

<400> 106
 tngaatacact cctatagggc gaattcgagc tcgggtacccg gggatcctct agagtcgacc 60
 tgcaggcatg caagcttgag tattctatag tgtcacctaa at 102

<210> 107
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 107
 ctgggaacaa ctttcttcaa actacctggt ggtgaactta acccaggaga agatgaagtt 60
 gaaggactaa aacgcttaat gacagagata ctgggtcgtc aggatggagt ttgcaagac 120
 tgggtcattg acgattgcat tggtaactgg tggagaccaa attttgaacc tcctcagtat 180
 ccatatattc ctgcacatat tacaaagcct aaggaacata agaagttggt tctggttcag 240
 cttcaagaaa aagccttggt tgcagtcctt aaaaattaca agctggtagc tgcaccattg 300
 tttgaattgt atgacaatgc accaggatat ggacccatca tttctagtct ccctcag 357

<210> 108
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 108
 aaaggtgata aacacaaaac ctogtctttt gttcaacttt ggtaccattg gcaattcaat 60


```

ggcctcaatc tccccaaact cgccaaagta ctccctgac ttttcctcag tggcttcagg 120
attcagaccc ccaacgaaga ttttcttcac cgggtccttc ttcatagccca tggc      174

```

```

<210> 109
<211> 623
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 141, 508, 577, 609, 615
<223> n = A,T,C or G

```

```

<400> 109
tgcaaattaa ttttaagggc ttacagagtc atttgaagaa gtgtggtggg aaatacaatc 60
agattttggc atttcgacct acaggatgga cacactctaa caagttcact agaatagcag 120
atgttattcc ccagacccaa ngaaacattt caatatatgg aattccttac agtgaacaca 180
gcagctacct agaaatgaag cgctttgtcc agtggctgaa gccccagaaa atcataccta 240
ctgtaaattgt gggcacctgg aaatctagga gcacaatgga gaaatatatt agagagtggg 300
aattggaagc tggatattga tgataacctc gaggattcag tagtagttaa gttccttggg 360
tgtagcttgt tagtagttaa atctatagaa atgtgaaata cactttgtgt ggaaaaacct 420
catgaagatt gttcaaaata ctttattttc tcatttatgt ttgaaccaac atgttcgtgg 480
tgcttgaatg cctctcagca tcatcaanga taactgaaac tgggtctcct gggaccttaa 540
ttcttgtccc ctgccttcac gggcagttat atttgcntca agccttaaaa aagaacaaag 600
gcagattcng gaccnaagga tat                                623

```

```

<210> 110
<211> 638
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 27, 34, 36, 46, 312, 377, 436, 452, 468, 479, 498, 506, 525,
528, 531, 536, 553, 562, 580, 588, 590, 602, 608, 613, 621,
622, 635
<223> n = A,T,C or G

```

```

<400> 110
actatgtgac tatcattgat gccccangac acananactt tatcanaaac atgattacag 60
ggacatctca ggctgactgt gctgtcctga ttgttgctgc tgggtgttgg gaatttgaag 120
ctggtatctc caagaatggg cagaccggag agcatgccct tctggcttac aactgggtg 180
tgaaacaact aattgtcggg gtaacaaaaa tggattccac tgagccaccc tacagccaga 240
agagatatga ggaaattgtt aaggaagtca gcacttacat taagaaaatt ggctacaacc 300
ccgacacagt ancatttgtg ccaatttctg gttggaatgg tgacaacatg ctggaccaag 360
tgctaacatg ccttggntca aggatgggaa agtcacccct aaagatggca atgccagtgg 420
aaccacgctg cttgancttc tggacttgca tntaccacc aactcgtnc aactgacaanc 480
ccttgcgcct tctttttnca ggatgnccta caaaaattgg tgggnttngg ncttgnctct 540
gttgggccca atngaaactg gnggttctca aaccccggnn ttgggggnnn acttttgcct 600
cntcaacntt tcnaccggaa nntaaaatct ttccnaaa                                638

```

```

<210> 111
<211> 492
<212> DNA

```

ctgtggccta ggtacacctca agactcacct catccttacc gcacatttaa ggcgccattg 60
cttttgggag actggaanaag ggaagggtgac tgaaggctgt caggattctt caaggagaat 120

```

gaatactggg aatcaagaca agactatacc ttatccatag gcgcangtgc acagggggag 180
gccataaaga tcaaacatgc atggatgggt cctcacgcag acacacccac agaaggacac 240
tagcctgtgc acgcgcgcgt gcacacacac acacacacac gagttcataa tgtggngatg 300
gccctaagtt aagcaaaatg cttctgcaca caaaactctc tggtttactt caaattaact 360
ctattttacct gcccggggccg gccgntaagn ggcgaattcc agcacacttg ncggggccgtt 420
ctaacgggat ccgagctnng taccaagggtg gncataatna tgggcatatc tggtnctctng 480
gaancgacc                                     489

```

```

<210> 114
<211> 244
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 231, 238, 239
<223> n = A,T,C or G

```

```

<400> 114
ctgaccggac cggtcattgcc cgtccggaac gtctataaga aggagaaagc tcgagtcac 60
actgaggaag agaagaattt caaagccttc gctagtctcc gtatggcccg tgccaacgcc 120
cggctcttcg gcatacgggc aaaaagagcc aagggaagccg cagaacagga tgttgaaaag 180
aaaaaataaa gccctcctgg ggacttggaa tcaaaaaaaaa aaaaaaaaaa nccccccnng 240
gggg                                     244

```

```

<210> 115
<211> 349
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 225
<223> n = A,T,C or G

```

```

<400> 115
aaaggtgata aacacaaaac ctcgtctttt gttcaacttt ggatccattg gcaattcaat 60
ggcctcaatc tccccaaact cgccaaagta ctccctgac ttttctcag tggcttcagg 120
attcagaccc ccaacgaaag attttcttca ccgggtcctt cttcatagcc atggcctttt 180
tagggtcaat gacacggcat ccagcctgtg ctcttcttgg tctangacct tctccacact 240
ggctgcatct ttgaacagga taaacccaaa cctcttgac cgtccagtgt tgggatccat 300
ttttattgta cagtcaacga cctctccaaa tttagtataa tagtctttt 349

```

```

<210> 116
<211> 561
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 488, 526, 536, 539
<223> n = A,T,C or G

```

```

<400> 116

```

```

ccaacaaact tcaagccttg ttcttccaaa cactttttcc agactggatt cacctcaaat 60
cggtggcggt gcctctcttc caagtagtct gcgtctccat agagtttcct catgactgag 120
ttcttgggtct ggaacaaggt tctcctcttg ccagcctca tggttccgcc catctgccct 180
gggttggtgt ctggcatgtc tacgaccacg ggatgactgg tcgtagggtc aaactctgta 240
gaattggcat cttgccatcc cagcacgttt cttgagaatt caaccactgc caactgcatc 300
cctaagcaca cgcccaaaaa aggctttttc tgattccgag ccaggcaat tgcttggatt 360
tttctttctg ttctcgaac accaaatcct cctggaacca gcactccatg agcactacag 420
agcttctgcc aacttcgttg tagcgacgg gctcttcttg cgagggtgat ggctccaaag 480
tccgcanaa tctattgtac cttgatttcc aatttggtgg ttgatngacc tgcccngcng 540
ccccttaaaa ggcgaattcc a                                     561

```

```

<210> 117
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 314, 356, 372
<223> n = A,T,C or G

```

```

<400> 117
aaactgggtg tttagaatat tataatgtag caactctgga aatatgatcc tacgccctct 60
ccggggtttg ttcttgctgt ttgttgcaat agttatttgt ttaatgactt ttctgggtgt 120
aaagtctgta ttttttgtca cgtatggcgg tttcttccca ttcttttagc ccagtgggtca 180
gtgataggac agagatttcc ttaaaccatc ggaatcaaaa aaaccataa aaccctccca 240
gagttttaga aagggtctgt gtgcatgtgg ggtcagccct tccgcgggta aacacatttt 300
caactctgcc ttancttttg cttcctgtgt gtgcggagcc tgaaggcggc cagacntgag 360
agcttagctt cngccctcgc agg                                     383

```

```

<210> 118
<211> 625
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 485, 574, 609, 622
<223> n = A,T,C or G

```

```

<400> 118
aaaaagaagg tgctcagttt atttataaaa tcgggtgtgc cgactgctct gtttatgcta 60
aaattatgat catttttctc aactttggca tttgtcagtt gggaagagaa gccaaggcac 120
ctttggaagc atcataaaaa gtgaatcatt tgaccatta ctaaaatgca gccgccctct 180
agttgcgaag tggcagtcac ttagcagcgt cttagggtac atactacagc ttaatttgtg 240
gaatataaga tgtggatatg ttgggataga ctttccaggg gcttccctcag agcaacatta 300
cagcacatat aactaaaaat tcagagacaa agaacatgca ctatcctgtc ctctcactcc 360
ccaggtgaca ggcaggggga ggtccctgag atctggggat gcacttgtct ccacgtgcat 420
tttacttatc actcttaaca cacttgtcta gttcacatga attattttcc caacttctaa 480
tatgnccttg aagatagatt tatcttggtc atattggacc ttctgctttt ggcttctttt 540
gttcttgctc ttggttgctc actccaactt ctanaattga atcatttcct ccaaaatata 600
aaactaggnc atatctgggg gngaa                                     625

```

```

<210> 119

```

<211> 344
 <212> DNA
 <213> Homo sapiens

<400> 119
 aaatgacgaa actcagcgga aatatattca gggattgaag aggttaatga ccatttgcca 60
 gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
 tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180
 caacaggaat gaggaagaa gaaaactgga gtttccagtc tctgagttct acctgatgta 240
 actcttgatt ggttttaaga actttgttgg ccttcatttc atatctgact gcaagctgat 300
 ttttctttct tgctttcatt ttaattagtc caaaattaag tttt 344

<210> 120
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 95, 97, 99, 105, 109, 111, 136, 373, 374, 382, 385, 389,
 392, 403, 429, 430, 452, 509, 531, 541, 546, 551
 <223> n = A,T,C or G

<400> 120
 aaagtaagtc gtttcctttt atttgaacac ctaggggccca ttttagagtt ataattagcc 60
 caattttctat atcattttgt ctcaggggaat agaancntna ggganggana nagttggggg 120
 aatggtctgt tggtanagtg gtcagaatac acacaacatt tataaataaa gttagccatc 180
 taatatggtt gtgattcgtg gtacctcaca atgattatga tagtaacata aaagctcact 240
 gaccacaggt caccgtaaca gatataataa taatgatctt tgaaatattg tgagaattac 300
 caacatgtga cacagagaca tgaagtaaac atatcctctt ggaaaaatgg caccaataga 360
 cttgttcaat gttnngattgc tncanacgng cnatttgtaa aancacaata tctatgaacc 420
 ttcagtaaann gaagtgcagt aaaacgagat cncctgtctt gatcctaact tactgattat 480
 cctctgctgg cacatttcca attgatttnt ccaacgtctc aagggtcaaa ncatgattca 540
 nacaanattt ngatcaatga 559

<210> 121
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 409, 496, 500, 503, 516, 528, 532, 545
 <223> n = A,T,C or G

<400> 121
 ccagtccaag ctggaggagg ccacaatgat tcattagagc tttgagggtg ttcttgaaga 60
 gctgaatata ggacatgagc tgtcccgtgt tgactctccc catactcatc ttgattggca 120
 ggttttctct gcttgccgct tccactagat gtctccgaac ttccatcact gcctctttgt 180
 gcttagtgtt cagtaaagct tcccataggg ctttggctgt ggtgtcactg gattgtgaaa 240
 gacagcctgg tgcaaccaca ttataatttt cctcctcagt atggagtgcg gtgagcgcta 300
 tcatgttaac catcacatca tttgtgtggc ctgggagctg gggaagtgcg gaaatgatct 360
 tctctactaa gttgtctcca tgatgtocaa ctgctcctgt gagatccang gttctgtcca 420
 caaaaaccac tgatgcctgt cctgcacagt cttcttcctg ttctttgcag gggcataatt 480

```

ggacctcggc cgcgancacn ctnagggcga attcancaca cttggcgncn gntcctaattgg 540
atccnaactc ggtccaagct tggcgtaatc atgggc 576

```

```

<210> 122
<211> 624
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 486, 571, 607, 614
<223> n = A,T,C or G

```

```

<400> 122
gagagcgagc tgagtgggtg tgtggtcgcg tctcggaac cggtagcgct tgcagcatgg 60
ctgaccaact gactgaagag cagattgcag aattcaaaga agctttttca ctatttgaca 120
aagatgggtga tggaactata acaacaaagg aattgggaac tgtaatgaga tctcttgggc 180
agaatcccac agaagcagag ttacaggaca tgattaatga agtagatgct gatggtaatg 240
gcacaattga cttccctgaa tttctgacaa tgatggcaag aaaaatgaaa gacacagaca 300
gtgaagaaga aattagagaa gcattccgtg tgtttgataa ggatggcaat ggctatatta 360
gtgctgcaga acttcgccat gtgatgacaa accttgaga gaagttaaca gatgaagaag 420
ttgatgaaat gatcagggaa gcagatattg atgggtgatgg gtcaagtaaa ctatgaagag 480
tttgtncaaa tgatgacagc aaagtgaaga ccttgccag aatgtgttaa atttcttgta 540
caaaatggtt atttgccttt tctttgtttg nacttatctg taaaagggtc ttcctctgca 600
aaaaatngca tgtntagtaa ttag 624

```

```

<210> 123
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 359
<223> n = A,T,C or G

```

```

<400> 123
aaatagagtt aatttgaagt aaaccagaga gttttgtgtg cagaagcatt ttgcttaact 60
tagggccatc accacattat gaactcgtgt gtgtgtgtgt gtgtgcacgc gcgcgtgcac 120
aggctagtgt ccttctgtgg gtgtgtctgc gtgaggaccc atccatgcat gtttgatctt 180
tatggcctcc ccctgtgcac ctgcgcctat ggataaggta tagtcttgtc ttgattccca 240
gtattcattc tccttgaaga atcctgacag ccttcagtca ccttcccttt tccagtctcc 300
caaaagcaat ggcgccctaa atgtgcggta aggatgaggt gagtcttgag gtagcctang 360
ccacag 366

```

```

<210> 124
<211> 280
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 125, 134, 234
<223> n = A,T,C or G

```

```
<210> 125
<211> 532
<212> DNA
<213> Homo sapiens
```

```

<400> 125
gttggggggcc gtcgcgctcc taaggcagga agatggtggc cgcaaagaag acgaaaaagt 60
cgctggagtc gatcaactct aggcctccaac tcgttatgaa aagtgggaag tacgtcctgg 120
ggtacaagca gactctgaag atgatcagac aaggcaaagc gaaattggtc attctcgcta 180
acaactgcc agctttgagg aaatctgaaa tagagtacta tgctatgttg gctaaaactg 240
gtgtccatca ctacagtggc aataatattg aactgggcac agcatgcgga aaatactaca 300
gagtgtgcac actggctatc attgatccag gtgactctga catcattaga agcatgccag 360
aacagactgg tgaaaagtaa accttttcac ctacaaaatt tcacctgcaa accttaaac 420
tgcaaaaattt tcctttaata aaatttgctt gttttacctc ggccgcgacc acgctaaggg 480
cgaattccag cacacttgng gncgttctag tggatccgan ctcgtaacca qc 532

```

```
<220>
<221> misc_feature
<222> 376, 394, 451, 489, 524
<223> n = A,T,C or G
```

```
<210> 127
<211> 529
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 489, 505, 525
 <223> n = A,T,C or G

<400> 127
 cctagcaggg aagcagcatg caggcttcac agcttaatgc caaggacagc gagtgaggct 60
 gggagcttct cttgggcctg ctgggtctgt cagctctcgg aatagggaca gtccttactg 120
 gtgccccaaag gtgggacttg gagaatattt tgcttggeat atgtttgggc tgaatgggtg 180
 agttgctggt tccctagaga ggaaaagggtg gcaggcccag ctttgctggg aaatggctct 240
 taatttccag ttgaaaccct agtagaattg tgaatgaaaa cctcaagggt gagccccctc 300
 gccaaagcagc agagctagta gaaggggatg caggggcaaa gcactcagtt gccaaagcaag 360
 gaggagagat gtacgtgggc tgtgtggcag tccccacacc ctgccctggc ttcttcaggt 420
 tatcgcacca ctatggaatc ctttgacaga ttgtactcat ataatgggtt tacctcggcc 480
 gcgaccacnc taagggcgaa ttcancacac ttgcggccgt tctantgga 529

<210> 128
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 332
 <223> n = A,T,C or G

<400> 128
 aaatttctcc ctttgtgtga gtatgactat agttctggcc tgggtgttttc tatttattta 60
 gtttttagatg tcagcatttt actatacttg gtccctctac ttcagaataa cagggctatt 120
 tattgataca aaggagaggt gttcagatca tcttgtaaag atgcagagct caaaataaac 180
 actaaatctt tatttggaaga tccacatcct tctcacaagg aaggctcatg agtaaatttg 240
 tatgcagtag aaagcccaag tagagggtgt atttttaatg actactttgc ttacatttta 300
 gattgtgcaa atgtctcaat caatgcttgc angaatgtgg accttcctca gttttaagca 360
 gaagaccctg agcaataaat actgttgcac gcttccaata accgtgaggg gatgggtag 420
 aaatgctatc taccgactt ctgaggagaa aacaaagcag gggcatgaaa aatatacaac 480
 agagatcagt aaatgggttc aaatgaacca gtaaacatt tttgccttac g 531

<210> 129
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 465, 527, 534
 <223> n = A,T,C or G

<400> 129
 aaaaaacaca tttatcagaa tacttcagga aaccatacta tgtgtaatcc aggaaatata 60
 ctattttgcag aatagggaaa tcatcactgg caacaaaaga ttaaaacaaa aataaagcac 120
 caggattctg agcagttcta aggtgagtag atcagcagaa atagtgtaaa tgctcttgac 180
 tggttgctat gcaaacatgc taatgaggac tagtccatgt cttataattt tttttttaac 240
 atgtttcttt ggaaaaatgg caatattgag tggaagagaa gctgtccttt tagacacca 300


```
<210> 130
<211> 410
<212> DNA
<213> Homo sapiens
```

```
<210> 131
<211> 529
<212> DNA
<213> Homo sapiens
```

<400>	131					
cctgggtggcg	gggcctgtga	gttccagcctt	ctgggaaggc	tgaggcagga	gaatcgcttg	60
aaccctcctg	gggttgagag	attgcagtga	gcgagatcg	tgccactgca	ctccagcctt	120
tacagtaagg	aaaacagaag	cccagagaga	tctgatctgg	tcccatgtg	gggtccgaag	180
ccactctgcg	gccattgcct	ttgtcatcct	gcagggtgga	gacagctttg	cctccctttt	240
gcgtttggga	tttttcagaa	taactgtagc	cagtgccttc	tgtttatgag	tactgttcac	300
ccaaataatc	cttcgggggt	ccttctgggg	ggtgtgtggg	aggagcaaca	caaacaccca	360
gcaattggag	aaaacagaag	aaaagcgata	atgtggtctg	gagactagag	gatagctctg	420
cggtcagccc	tgccctcggg	aactgctggg	gagggtgggat	ggggtcaggg	agtggacctc	480
ggncgnnacc	cccttaaggg	cgaattccag	cacactggng	qccqntntn		529

```
<400> 132
gcgagggtga gggcccccctg ctgcgcctggc tcaagggtgaa cttcagtgaa gccttcattg 60
cctggatcca catcaaggcc ctgagagtggt ttgtggagtc cgtgctcagg tatggactac 120
cagtgaactt ccaggcagtg ctctctgcagc cgcataagaa gtcatccacc aagcgtttaa 180
gagaggtttct aaactctgtc ttccgacatc tggatgaagt agccgctaca agtatactgg 240
atgcattctgt ggagatcccg ggactgcaac tcaataacca agactatatt ccttatgtct 300
acttccatat tgaccttagt cttcttgact agaaaggcca g 341
```

<211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 401, 526, 528, 529
 <223> n = A,T,C or G

<400> 133
 ccagagtggg agaagagata cggagtagga attaaaccac acaatgttat ttagggacta 60
 agccatgccc ctaacaagaa aacaagccaa agggaaagta ttaggcattc tctgggaagg 120
 catgcatttt tttcccatgt ctctggggcc aaaaacctta taccagtagc ctattggcac 180
 ccgaatatat ttgtagaatg aatgaatata tgaaaaaaaa taaacagtaa cttttctcct 240
 atattctact ttccaagcca attaataagc aagtgtcttt tcgtcatgat tttttttggt 300
 ttctgtttag gatttaacaa aatgggtgag ataacagtca cttctgtttg atgaagagta 360
 tcacttcatt ccatttttgt gtttttgttg gcatctccaa ntcagaataa atgccttttg 420
 gagcagatat atttcattta gcatttagta tcatcttcat caatactcgt atgaacgaaa 480
 aaataaaaag ccctctttta ttccactcta caaccgcatg tcaaangnng atctgg 536

<210> 134
 <211> 537
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 159, 454, 482, 524
 <223> n = A,T,C or G

<400> 134
 aaaggctata tttttcagca tgtaggtagc tacactgtaa tcctgttgaa gaaactttcc 60
 tatttaagct tataggatga aaatatataa ttaaagtcct ctgatcatag cttgagacca 120
 tcaagggaat gtttagtttc ctccacaaag agccaccang attttctcat aatctccttt 180
 ggtttcatcc aggatggctt ggcaaggga gataccatac atcttctgat agaatgcttt 240
 gatatcattc atgtcaattt cagaacggga aaccataatc ctgatcaatg cttatggcg 300
 agttccaaca cttttcatgg cttgatgaag cttctctgca aagaaagctg gtttgcttgt 360
 ggcgcacttc acgatagctg tgaggcatct ctcaatgtca cttttcaact ccagggtccag 420
 aactttgttc atgtcatgct tactgtactt gggngtattt ctgaaacact ctgcgaagtt 480
 gnggatagct tctggtggta aggatgggat tgaacacggt tacntctgtc ccctttc 537

<210> 135
 <211> 532
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 56, 326, 354, 400, 410, 418, 469, 493, 518
 <223> n = A,T,C or G

<400> 135
 ctgcaggaag aggtggaggg gggcctgtca ttatgtttcc cccccacccc ccaacnaaag 60
 gaaaactaag actcccaaca taaacagggc cttgaggggg ggggattaca ggcacttggg 120

<400> 138
ccagacaatg aatgagaagc aactcttcca tgggacagat gccggctcog tgccacacgt 60
caatcgaaat ggctttaacc gcagctatgc cggaaagaat gctgtggcat atggaaaggg 120
aacctatittt gctgtcaatg ccaattatlc tgccaatgat acgtactcca gaccagatgc 180

```

aaatgggaga aagcatgtgt attatgtgcg agtacttact ggaatctata cacatggaaa 240
tcatttcatta attgtgcctc cttcaaagaa cctcaaaat cctactgacc tgtatgacac 300
tgtcacagat aatgtgcacc atccaagttt atttgtggca ttttatgact accaagcata 360
cccagagtac cttattacgt ttagaaaata acactttggc atccttccca caaaattatt 420
ctccatttgt acatatctag ttgtaaaaca agtttttagct ttttttttaa ttcctcttaa 480
cagatttttc taatatccaa ggatcattct ttgtcgtgc agtcagtctt tct 533

```

```

<210> 139
<211> 447
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 313, 412
<223> n = A,T,C or G

```

```

<400> 139
aaggtgctcc ttgcgcgcgc cctcatcgcg gggtcogtct tcttcctgct gctgccggga 60
ccttctgcgg ccgatgagaa gaagaagggg cccaaagtc cgtcaagggt gtattttgac 120
ctacgaattg gagatgaaga tgtaggccgg gtgatctttg gtctcttcgg atagactgtt 180
ccaaaaacag tggataattt tgtggcctta gctacaggag agaaaggatt tggctacaaa 240
aacagcaaat tccatcgtgt aatcaaggac ttcatgatcc agggcggaga cttcaccagg 300
ggagatggca cangaggaaa gagcatctac ggtgagcgct tccccgatga gaactttgcc 360
aaacaccaca tgcttgccat ctagccaggc tgtcttgact gtcgtgatga anaactggga 420
gcccgttggg gtctttgcct gcgttg 447

```

```

<210> 140
<211> 397
<212> DNA
<213> Homo sapiens

```

```

<400> 140
aaatgcattt tattttttaga caacctacat gacatgtttt tcttaaaaac aatgcctcca 60
ctccaaataa atcacagtca aaataaatga agagctcaag atgacatcag tcccatttgt 120
cttaagtctt ggtgttgtgt ggatgacaag cagaagccag ttatgatgac aggtgataga 180
tccaaaataa ttgccacatt tgtaacatt tttccatttc taaaccatcc ttaaagaaaa 240
tcatatatgg ggtcacacca tcctcacggt agtccaatag agcaaccatg ccatctggat 300
tcatgttttc accaataaag aactggtagt ttttgaaatt agcaaggatg tgcttgattt 360
gttctgcagc cctgtcata aaaggtttta ctctttc 397

```

```

<210> 141
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<400> 141
atcaagcaca tccttgctaa ttccaacaaac taccagttct ttatttggtga aaacatgaat 60
ccagatggca tgggtgctct attggactac cgtgaggatg gtgtgacccc atatatgatt 120
ttctttaagg atggtttaga aatggaaaaa tgttaacaaa tgtggcaatt attttgatc 180
tatcacctgt catcataact ggcttctgct tgtcatccac acaacaccag gacttaagac 240
aaatgggact gatgtcatct tgagctcttc atttattttg actgtgattt atttgagtg 300
gaggcattgt ttttaagaaa aacatgtcat gtaggttgct taaaaataaa atgcattt 358

```

<210> 142
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 526, 529
 <223> n = A,T,C or G

<400> 142
 ctgcttccat tgggtgggtca tttttgctgt caccagcaac gttgccacga cgaacatcct 60
 tgacagacac attcttgaca ttgaagccca cattgtcccc aggaagagct tcaactcaaag 120
 cttcatgggtg catttcgaca gattttactt ccgttgtaac gttgactgga gcaaagggtga 180
 ccaccataacc ggggtttgaga acaccagtct ccaactcggcc aacaggaaca gtaccaatac 240
 caccaattttt gtagacatcc tggagaggca ggcgcaaggg cttgtcagtt ggacgagttg 300
 gtggttaggat gcagtcacaga gcctcaagca gcgtgggttc actggcattg ccataccttac 360
 ggggtgacttt ccatacccttg aaccaaggca tgttagcact tggctccagc atgtttgtcac 420
 cattccaacc agaaattggc acaaattgcta ctgtgtcggg gttgtagcca attttcttaa 480
 tgtaaagtgc tgacttcctt aacaatttcc tcatatctct tctggntgna gggggg 536

<210> 143
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 143
 aaataaaaata tgcttattaa acactcctgc aaagatgggt ttattagtag cctgggtcatt 60
 ttgttcaagg aagggttata ttgcattctc acgtgaaata taaaaagcaa gtcttgccca 120
 ataaaaacgc tacattgtgt gtattttttg ttcagctaag aattggaaaa gtatttgctt 180
 gcctttttaag ttactgacat cagcttccac cagtgtaaaa attgagtaaa acctgaagtt 240
 ttgcataaaa tgcaaatcgg tgctgtgct tgaagggtgc tgtagagcat ctgacccctt 300
 attaccacct taagcaatgt atatgccatg cattaccatg cactaattca atcacaggtg 360
 tttctatcta gattt 375

<210> 144
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 144
 aaagatcaac ttttattgta acaaataata agtcatcaat gttttacaaa ttgtcaaaaa 60
 tgctttaagt acaaaaaaat acattagtaa aatgaaagtt atgttgattt atttggtata 120
 cacttaatac tgccaacatg cataacacat gccagaaaag ctcatgcatt attggaagag 180
 aaaagaaatg tgatgtaact gctatatgtt ctgattataa attcattgct tcagtcagtt 240
 ttctttcttc agggatacca tttacctgca atgtgtaaga atgaatatgg gcaggagtta 300
 gtcagggcac ggatactttt agattttgag caaagcaaat tatggcaagg agaaagtttc 360
 catcttctta atacaatgta aaataattac attgcattat ttctctgtat ttgggttttt 420
 t 421

<210> 145
 <211> 342
 <212> DNA
 <213> Homo sapiens

```

<400> 145
aaaacatcca aagcccagtt aaatttgggt ccagaaactg aggcaatgga aaaagctggt 60
gatagcctca cgaatcttaa ccctgtcact tgggttaaaa ccattggaaa ttccactatt 120
gcaaattttg tattaatcct tgtatgtctg tcctctctat tgtagtcta cagggtgtatc 180
cagcagctcc ggagagacag cggctagcga gaacggacca tgatgatgat ggcggttttg 240
tcaaaaagaa aagggggata tgtagggaaa agagagagag atcagactgt tactgtgtct 300
atgtagaaaag ggaagacata agagactcca ttttgaaaaa gg 342

```

```

<210> 146
<211> 127
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 15, 32, 48, 50, 55, 62, 68, 74, 76, 80, 84, 93, 99, 101,
106, 110, 114, 120, 122
<223> n = A,T,C or G

```

```

<400> 146
tgtaaatacg gaacntcacc taataagggg gnccggaaat ttgggggncn cctncttta 60
gnaatgncc aatngncctn ccgnagaccg ggncctccgnc nccagnttgn tggnaatggn 120
gnaatta 127

```

```

<210> 147
<211> 278
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 81, 88, 97, 133, 159
<223> n = A,T,C or G

```

```

<400> 147
cgaagacctt tgctctgctg ctgctgtccc tgttcttggc agtgggacta ggagagaaga 60
aagagggtca cttcagcact ntcccctncc tgcttgnctg atctcatgct aagggtgagca 120
gccctcaacc tcnaggcccc aggtacgcgg aagggactnt catcagtgac tacagtattg 180
ccatggacaa gattcaccaa caagactttg tgaactggct gctggcccaa aaggggaaga 240
agaatgactg gaaacacaa atcaccacaga gggaggct 278

```

```

<210> 148
<211> 538
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 132
<223> n = A,T,C or G

```

```

<400> 148
ccaatactcc catttggttt tactggcggc atttgattgt attgatgata ctaagcttgt 60

```

```

gaagcagata atcatatcag aaattatcag ttcattgcct agcatagtaa atgacaaata 120
tggaaggaag gncctattgt acttactaag ccccagagat cctgcacata cagtacgaga 180
aatcattgaa gttctgcaaa aaggagatgg aaatgcacac agtaagaaag atacagaggt 240
ccgcagacgg gagctcctag aatccatttc tccagctttg ttaagctacc tgcaagaaca 300
cgcccaagaa gtggtgctag ataagtctgc gtgtgtgttg gtgtctgaca ttctgggata 360
tgccactgga gacgttcagc ctaccatgaa tgccatcgcc agcttggcag caacaggact 420
gcatcctggt ggcaaggacg gagagcttca cattgcagaa catcctgcag gacatctagt 480
tctgaagtgg ttaatagagt agataaaaag atgaaagaaa atggggagag aaggttgg 538

```

```

<210> 149
<211> 121
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 6, 14, 29, 35, 42, 50, 55, 56, 70, 88, 93, 95, 106, 107, 117
<223> n = A,T,C or G

```

```

<400> 149
tccaantctc gggncggggg ccctcaaant atccntatgg ancaaggtgn tgtannatct 60
accctatctn tcaggataac gatcaacntt tananctcat ctactnnttt cctacantat 120
c 121

```

```

<210> 150
<211> 537
<212> DNA
<213> Homo sapiens

```

```

<400> 150
ctggccaacg gggccctcaa agtctccgtc tggagtaagg tgetgeggag cgacgcggcc 60
tgggaggata aggatgaatt tttagatgtg atctactggt tccgacagat cattgctgtg 120
gtcctgggtg tcatttgggg agttttgcca ttaagagggt tcttgggaat agcaggattc 180
tgccctgatca atgcaggagt cctgtacctc tacttcagca attacctaca gattgatgag 240
gaagaatatg gtggcacgtg ggagctcaag aaggaaagggt ttatgacctc ttttgccttg 300
ttcatggtca tttggatcat cttttacact gccatccatt atgactgatg gtgtacagct 360
cccaagtget ccctatccag tccaaaggac cctcttgatt acagcacaag gaacttgatc 420
gttggggaac cccacccctt ggaacttgga agaccctgtt tcttggaccg cgaatcagtg 480
tggttgggca tcaagtgttt tcttgcaagg gttgtgacct gaaactttta cctgccg 537

```

```

<210> 151
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 151
aaaagaaatc atggtacttc ttagagcaat ttgcaaaagg ggaaaaaagt cttaggctca 60
ctccttggaataaaatataca agtaaccata aaaatattca gccatttttc agttattcgg 120
ggagttcagg catggtccca cgcagagcat cagagttcct ctttgaaata acccagcttt 180
gccaatgaca tctcttttct caactgcata acctcccaaa acatctgata aacatcctgc 240
tgtttcacga gtccctgctg aatgtatcga atgtatgtaa aaaagttaca tacagaagtg 300
atcctgtatc tgcaaaaagg agaaatataa taatagttgc ttgagtcacc taatttaatt 360
ctgtgtttac aggacttact ctgg 384

```

<210> 152
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 351
 <223> n = A,T,C or G

<400> 152
 ccaactcagc ttttgtggag cgagtgcgga aacggggcctt cgaggtggta tatatgaccg 60
 agcccattga cgagtactgt gtgcagcagc tcaaggaatt tgatgggaag agcctgggtct 120
 cagttaccaa ggagggtctg gagctgcctg aggatgagga ggagaagaag aagatggaag 180
 agagcaaggc aaagtgttgag aacctctgca agtcatgaa agaaatctta gataagaagg 240
 ttgagaagggt gacaatctcc aatagacttg tgtcttcacc ttgctgcatt gtgaccagca 300
 cctacggctg gacagccaat atggagcgga tcatgaaagc ccaggcactt ngggacaact 360
 ccaccatggg ctata 375

<210> 153
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 153
 ccagagcatc tcgtgtggac catctagget cottgggctt caagcaggac ctgagccaca 60
 tgctccctgt acgagctgtg ctatacctgt cccacatgag cacggagagc ctcattgttg 120
 tgggtttcca gagtgatgtg aaagcctctc accccaatcc tcggagactg agttccacaa 180
 cttttttagt agtcatagt gttatttttc tactctcttc atgaaactaa ctttatttta 240
 taataaatat atattttctg tcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 289

<210> 154
 <211> 73
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 14, 29, 37, 44, 54
 <223> n = A,T,C or G

<400> 154
 tcctngagtc atanctgttt cctgtgggnc atatatntgc atcngtggag cggnccgcca 60
 ttgcgatgga tat 73

<210> 155
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4, 12, 17, 46, 71, 76, 104, 116, 126, 129, 149
 <223> n = A,T,C or G


```

<400> 155
cttnagacaa angactnaaa acactctttt aatgcaagcc tgaatnttca agcacataaa 60
atctttcttt nttaanctta atttcaacat cactggaata aatnccatc gttaanccct 120
gatatncant cttaaccact tgcagccant gtcatgagg caaaacgtga cccaccagac 180
tttgttcaag ttctcctcct agggcgtcta cattcacggc ggtcactcog tttctgtctc 240
cttttgtttg gcacctgtca gtggatggaa gatgaaagtt tcaaagctca tggtaacagc 300
agggttctct accccagggg tttctacctg tgtctggcag tgccttagga ggatgatcca 360
gaggcttcgg aggagggcga cgtgggaagg agcaggtagc ccaagctccc atctcccacc 420
c 421

```

```

<210> 156
<211> 339
<212> DNA
<213> Homo sapiens

```

```

<400> 156
ctgagcaaa gacagtctta cagcgtcaat gtcaccttca ccagcaatat tcagtctaaa 60
agcagcaagg ccgtgggtgca tggcatcctg atgggcgtcc cagttccctt tccattcct 120
gagcctgatg gttgtaagag tggaaattaac tgccctatcc aaaaagacaa gacctatagc 180
tacctgaata aactaccagt gaaaagcgaa tatccctcta taaaactggg ggtggagtgg 240
caacttcagg atgacaaaaa ccaaagtctc ttctgctggg aaatcccagt acagatcggt 300
tctcatctct aagtgcctca ttgagttcgg tgcactctgg 339

```

```

<210> 157
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<400> 157
ccagccctcc tgtcttctcc ccgtaccttg tagttagacc gaggtgagaa tctgtctgac 60
cccagtccca tcccctctca ttccaggaaa acccttttgt gattcaggta gggggagagg 120
aggagttaa ggtcccggtt actcccaagt catggatttt taatattcca tttttatcac 180
taatatacct ctcttcctag aagctactgg agtattgagt gttgtgggaa aaggctaact 240
gtgaattaag ttaatgtttt tcttataaga aatggaagtt tttttttta ttgatattac 300
tatgtgatga actgagtatg catatactga aatggaagga aatttt 346

```

```

<210> 158
<211> 534
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 501
<223> n = A,T,C or G

```

```

<400> 158
aaacaaggtt tccccatgaa gcagggtgtc ttgacctatg gccgtgtcog cctgtctactg 60
agtaaggggc attcctgtta cagaccaagg agaactggag aaagaaagag aaaatcagtt 120
cgtgggttgc ttgtggatgc aaatctgagc gttctcaact tggttattgt aaaaaaagga 180
gagaaggata ttctggact gactgatact acagtgcctc gccgcctggg ccccaaaaga 240
gctagcagaa tccgcaaact tttcaatctc tctaaagaag atgatgtcog ccagtatgtt 300
gtaagaaagc ccttaaataa agaaggttaag aaacctagga ccaaagcacc caagattcag 360

```

```

cgtcttgtta ctccacgtgt cctgcagcac aaacggcggc gtattgctct gaagaagcag 420
cgtaccaaga aaaataaaga agaggtgca gaatatgcta aacttttggg cctcggggcgc 480
gaccacgcta agggcggaatt ncagcacact tggggggcgt tctagtggga tccc 534

```

```

<210> 159
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 159
gcgagcgtct gggcgggtgg taggaacaat ggcgctgtct taagtggcac agtggagcag 60
ctctgaagat gcaaagatac acgaaaaaac ttccagaaca tctgggagaa tatttaatgg 120
aaaatcgctt ggttaaaacc tgacactttt aacagtgaac agcgttctga gtgtggacga 180
gtagccagtg aagataatga atgtcgaatg tgactgacta gcagcttcat tttgaatgag 240
ggtcgctgtc tgcccattga tagaggccag attgtcttgg aagttccaaa gttgcaacga 300
tttctggcta gtgccacgag gtttacttga ctggtgtgtg aaaagctgat aagaaaacca 360
tccagaaaaa agctcttcgt tttacaaaca tgaaaataaa acatgtaatt ttggattac 419

```

```

<210> 160
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<400> 160
gggatcgcaa ggctgaggat gccaggaggg actatgaaaa agccatgaaa gaatatgagg 60
ggggccgagg cgagtcttct aagagggaca agtcaaagaa gaagaagaaa gtaaaggtaa 120
agatggaaaa gaaatccacg ccctctaggg gctcatcatc caagtcgtcc tcaaggcagc 180
taagcgagag cttcaagagc aaagagtttg tgtctagtga tgagagctct tcgggagaga 240
acaagagcaa aaagaagagg aggaggagcg aggactctga agaagaagaa ctagccagta 300
ctccccccag ctccagaggac tcagcgtcag gatccgatga gtagaaaacg aggaaggttc 360
tctttgcgct tgcccttctc cccccccga ctccccacc atattttggg accagtttct 420
cctcatgaaa tgcagtcctt ggattctgtg ccactctgaac atgctctcct gttggtgtgt 480
atgtcactag ggcagtgggg agacgtctta actctgctgc tcccaagga tggctgttta 540
t 541

```

```

<210> 161
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<400> 161
ccaccgacag acctgggctc aaattggacc tgctgctttt gactgtgaga ctttcataa 60
gtcccttttg ctccaagcct cagttttctc ctctgtgaaa cagagaaaat cgttcctatc 120
agagttctta tgaggatgaa atgggatttt ggatgtaaaa tgcttccatc cagtacctgc 180
taaacaaaat gcttactaat ggccgggggc ggtggctcac gcctgtaatc ccagcacttt 240
gggaggctga ggcgggcgga tcgcttgagg tcaggagtgc gagaccagcc tgg 293

```

```

<210> 162
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<223> n = A, T, C or G

aaaactgcaa	gcaccatgcg	gttcatacaa	tcttggtatt	actgttaatt	tatcaactaa	60
tacaaactca	aaaatgcac	cggccagcag	cgccagcaat	ttcaaagtgg	aacttaaaaa	120
tacactttta	ttttggtatt	tttgtcagtg	caacttaaat	ccttttactg	acctgcagaa	180
aaaaaaagta	ataataaaga	aaaacaccca	tatcttccct	ataactacta	tacaactgaa	240
gaattgaagg	ggggggacac	caccaagaac	tcttccctact	atctcaaaag	cagggaaaga	300
aacgcaatgc	attggtctaa	agaacgcact	tgaaagttgc	aaaattactt	gccaatgttt	360
gggtttctgg	tacattctga	gcatagcagt	tggttcagtg	cagtgtctgc	ttaccagtg	420
actgccaggg	tcagggatgg	ctaagcctct	caccctanga	gcgctgtggc	tcctacaatt	480
agcgcaggcc	cagagggttc	agaagggacc	tcagggtgat	tctggttnca	taaaaa	536

<213> Homo sapiens

gagccacag	gggaagagca	gcggaagggg	cctttcggaa	cgatttggaa	tgaaggaag	60
tgaagaaac	gcgaaccat	ggcgcgtgtg	gttgcgtgtt	gcggtggtct	agggaggaag	120
aagttgacac	acttggtaac	ggctgctgtc	agccttacac	atcccgggac	tcacacggtg	180
ctttggagaa	gaggttgttc	acaacaggta	tccagcaatg	aggacctgcc	catttcaatg	240
gaaaatcctt	ataaagaacc	tcttaagaaa	tgtatcttgt	gtggaaagca	tgtagattat	300
aagaatgtac	agcttttgtc	ccagtttgtt	tctccattta	ctggatgcat	ttatggaag	360
cacattacag	gtctttgtgg	gaagaaacag	aaagaaatca	caaaagcaat	taagagagct	420
caaataatgg	ggtttatgcc	agttacatac	aaggatcctg	catatctcaa	ggaccttaa	480
gtttgtaaca	tcagatatcg	ggaataaatt	ctatcacggt	ccctaataaa	ctt	533

<213> Homo sapiens

ccagaccatt	ggctaggacc	tggtgttatt	ttccatcctt	tacatccttc	tgtctgttca	60
agaaccagtc	tgggatcttg	tactggcggtg	gattctgcat	aatggtgac	acacgttcca	120
cctcatcctc	agtgagttct	ccgcacctct	tggtgaggtc	aatgtctgct	ttcctcaaca	180
ccacatgagc	atatcttcgg	cccacacct	taatggcagt	gatggcaaag	gctatttttc	240
gccgcccatc	gatgttggtg	ttgagtactc	gcaaaaatatg	ctggaacttt	tcagggatca	300
ctagagacat	ggctgcagca	caaggcgcg	c			331

<213> Homo sapiens

```
ccacctggaa ccacctgtc ctgtctgttt acatttcact atcagggttt ctctgggcat 60
tacgatttgt tccctacaa cagtgcctg tgcattctgc tgtggcctgc tgtgtctgca 120
ggtggctctc agcgaggtac ggggagggcg tcacctgca gaacggcaga gtgacgcgtc 180
ctctcgctgc tgagcaccag                                200
```

<210> 166
 <211> 533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 424, 455, 480, 495, 496, 505, 506, 513, 523, 531
 <223> n = A,T,C or G

<400> 166
 ctggtggtta acaagtggat cgtcatgttc agtagtttat acattatgtg agaagtaacg 60
 ttctgattct ttttcttaca cagaattggc agaggggggc gatttgggag gaaaggtgtg 120
 gctataaaact ttgttactga agaagacaag aggattcttc gtgacattga gactttctac 180
 aatactacag tggaggagat gcccatgaat gtggctgacc ttattttaatt cctgggatga 240
 gagtttttggg tgcagtgttc gctgttgctg aatagggcat cacaacgtgc attgtgcctc 300
 tttcttttggg aatatttgaa tcttgtctca atgctcataa cggatcagaa atacagattt 360
 tgatagcaaa gcgacgttag tctgtgagctc ttgtgaggaa agtcattggc tttatcctct 420
 ttanagttag actgttgggg tgggtataaa agatnggggt tgtaaaactt tctttcttan 480
 aaattttattt cctanntctg tacannttgt tgnntagatg tcnctatcat ntc 533

<210> 167
 <211> 636
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 474, 510, 520, 565, 577, 586, 595, 603, 604, 610, 623, 626,
 631
 <223> n = A,T,C or G

<400> 167
 ccttcacgca ccgttctgtg tctgtgctgc agttcaacaa ggagatcctg ctggggccgtg 60
 gcttcacctt ttggcagtg tttgatgggt tctggacct caccaaagc tgtctccgga 120
 gctactggtc tgaccggctg atcattggct tcatcagcaa acagtaccgt tactagcctt 180
 cttctcaatg agcccgacgg aacctttctc ctccgcttca ggcactcaga gattgggggc 240
 atcaccattg cccatgtcat ccggggccag gatggctctc cacagataga gaacatccag 300
 ccattctctg ccaaagacct gtccattcgc tcaactgggg accgaatccg ggatcttgct 360
 cagctcaaaa atctctatcc ccaagaagcc caaggatgag gctttccgga gccactacaa 420
 gcctgaacaa gatgggtaag gatggcaggg gttatgtcca gctaccatca agangaccgt 480
 gggaaaggga ccaaccact ttctaccccn aacttcagan gcctaccatg ggggccttct 540
 tattaccttt ggaaaggccc ctganttcct ccatgancat tccagnttgg ccanaaatt 600
 ggnnccccan ggggacccca cncantttt nctcct 636

<210> 168
 <211> 93
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 59, 74, 76, 85
 <223> n = A,T,C or G

<400> 168
 ccttcacgca ccgttctgtg tcttggtcgc agttcaacaa ggagatcctg ttggggccgnt 60
 ttttcacctt tttntctctt tttantgcgc ttt 93

<210> 169
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 130, 146, 157, 162, 222, 223, 272, 304, 308, 316, 317, 340,
 342, 349, 378, 405, 409, 423, 433, 434, 438, 446, 449, 467,
 470
 <223> n = A,T,C or G

<400> 169
 caaaagggtga ctagacatac ttggaagttc aaagcagtag gatgtagctt gcaggggaaaa 60
 gaaaaccctt ttccatgttg ttaggcagaa gtatatcaaa tatatcccaa ttccacttga 120
 taaagtcagn ttggatgacc tctttnaacc aatctanggc anaacactta gtaaaagcgg 180
 gccctgggtg gggatgtgaa tccaggagaa gaggggcacc annatcccat gcagcgccaa 240
 acacatccat tccaccctct aacacatacg angcatgtca ccccatgtgc ctggacacaa 300
 gatntacnat aacagnnagc taatgggcac tgctcccacn gncctggggnt ttctaattggg 360
 cttttaaatt caaggccntg gaaaaaaatc cttttacccc ccaanacna aacttggcct 420
 ttngaccttt ccnncatnac aggatnttnt ggggggaaaa ttctttnggn tocccatac 479

<210> 170
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 72, 118, 120, 125, 128, 130, 138, 154, 155, 162, 175, 176,
 190, 194, 214, 250, 262, 269, 291, 293, 309
 <223> n = A,T,C or G

<400> 170
 aaattgctac gtcagtacac caaggagtct agtgatctac atgactacat gaaaagcttg 60
 aattatacct gngatccaat ctccagctca ctgaatcagt ggcggggaag ggaaaaanan 120
 aaaangangn aaaaaganag atttcattaa tagnnccttt tnaaactcca aaatnntctg 180
 catttaagcn catncaatca ggtaccttaa agangaccat ttttgttctt tgcaatttgt 240
 ataccagaan cactccttcc anactcacnt gaatttattt ccttcccaat ncntgacaat 300
 gcccttggnc ttgaa 315

<210> 171
 <211> 625
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 203, 288, 308, 401, 403, 415, 470, 490, 531, 535, 540,

547, 556, 560, 563, 577, 587, 599, 600, 604, 612, 613, 624
 <223> n = A,T,C or G

<400> 171
 aaattatttc actgaagctg agattatttag tgatacaaag ntaaaatttc aatattttaat 60
 ttctctatat attattaata ttaaattggt ttttacttat aaattcatgt tctcatctga 120
 tttaatatta aatttggtata ggtgggctgt tcttaccatt ttgcacaagt ttttggtttt 180
 ctgaaacact taattgtgca ggntgtaaaa aagatttagtg catttttcatt ttaaggatgc 240
 tttgctcctt aaattgttcg acagaaatga ctttttaggg aaagtagntt ttttgaggct 300
 actaactngt atttattatt gtacatgcat aaccaggggt gtgagggcac taatcttgta 360
 ggaaacactt acttgatggt ttatttgaac ttttcctata ngntaacttt tctgnataga 420
 attaacacta ggaacagtgt catgaaatct gggttgaagg agaatacagn atatatgaga 480
 accttaaaagn tcaaatagga aatcatttct gaagacaaaa ccagaggaat nttgntcagn 540
 gccacntaa tgggangaan aangggcggc atttacnctg ggcaagnatt tgagaagann 600
 ggcntaaaga annnggaact tacnt 625

<210> 172

<211> 632

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 95, 305, 338, 340, 437, 487, 496, 513, 520, 530, 552, 604

<223> n = A,T,C or G

<400> 172
 cctggcttct tcgggatgct ccagaacaaa ggactaacag actactgctt tgactataac 60
 cctcccgatg aaaaccagat tgtgggacac caggncattc tgtacctctg tcatgggatg 120
 ggccagaatc aagtttttcg agtacacttc ccagaaagaa atacgctata acaccacca 180
 gcctgagggc tgcattgctg tggaagcagg aatggatacc cttaccatgc atctctgcga 240
 agaaactgcc ccagagaatc agaagttcat cttgcaggag gatggatctt tatttcacga 300
 acagnccaag aaatgtgtcc aggtgcgag gaacgagnen agtgacagtt tcgttccact 360
 cttacgagac tgcaccaact cggatcatca gaaatggttc ttcaaagagc gcatgttatg 420
 aagcctcgctg tatcaangag cccatcgaaag gagactgttg agccaggatc tgcccaacaa 480
 agacttncta acaagnacc agaaaccac canaaactan gggtgtattn cttttgaaga 540
 agcaatcatt tngccttttg tgaaagtgtg gttggattta attaaaaaag gggaataaac 600
 tttnggactt tttttgaaa actttttttac ct 632

<210> 173

<211> 271

<212> DNA

<213> Homo sapiens

<400> 173
 gaactagcca acttaagaat tacaggaaga aagtggtttg gaagacagcc aaagaaataa 60
 aagcagatta aattgtatca ggtacattcc agcctgttgg caactccata aaaacatttc 120
 agatttttaat cccgaattta gctaattgaga ctggattttt gtttttttatg ttgtgtgtca 180
 cagagctaaa aactcagttc ccaaattccc agtttatgca gogccatcag gtatttttaag 240
 ctaaacttct tcaccctga gagcatgtca g 271

<210> 174

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 116

<223> n = A,T,C or G

<400> 174

```
atattttcca atttgctggg atgtcaccta gcaatagctt ggattatata gaaagtaaac 60
tgtgggtcaat acttgcattt aattagacga aacggggagt aattatgaca cgaagnactt 120
atgtttatatt cttagtgcgc tggattatct tgaacctgtg ctattaaatg gaaatttcca 180
tacatcttcc ccatactatt ttttataaaa gagcctattc aatagctcag aggttgaact 240
ctgggttaaac aagataatat gttattaata aaaatagaag aagaaagaat aaagcttagt 300
cctgtgtctt t                                     311
```

<210> 175

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 77, 120, 154, 169, 202, 218, 267, 274, 276, 282, 290

<223> n = A,T,C or G

<400> 175

```
ttgggtgcaga aagtgcagatt gaaatgtagt ttctttgcag gttatatattc cagaggatgt 60
cagtcaccaag gaccagnagc tgccatcagt ttggattctg aaaactaact ggcatcaacn 120
ctgggtgtag aaacatgcct gccttatgta tcanaggaca tgctcagcng atccaagaga 180
tatatttggc aactttttct anaaaaggca cattgggnat cattcattac attcttgagt 240
ttttttgggt tttttttttt ttttttnaaa acancnttgt tntttcccn ggggtgggagg 300
ggggggg                                           307
```

<210> 176

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 183

<223> n = A,T,C or G

<400> 176

```
aaaaacaaaa acagaatgtt gtacgtgaag attctaggag gggagggacc agcaaactctg 60
agagaaccgt cctggggcct cccttcgagg agccctctga tgtgaggagg gacttgagtt 120
gagtgcgcgt tgtgggtgtga ggtgttctga gctcactgac cggaaggtec aggtgaatct 180
cgncataagt gatctcaggc tctcacagga tccggaggga aatgtgttag agggctctgga 240
aaattcagtg cttttgagtt acttgttttt attaaaaatt tcctcacaaa agagagtcct 300
caagttgtgg ctgttcttgg gaaaggggtc accgtgtctg acaaagtgtg acttt      355
```

<210> 177

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 28, 103, 109, 137, 143, 167, 189, 192, 200, 213, 256, 270,
279, 284, 326, 337, 349, 363, 372, 373, 378, 387, 393, 417,
423, 434, 438, 440, 444, 450, 461

<223> n = A,T,C or G

<400> 177

```
cctgggctgg gaaaaacttt ggaaccanac tcttgccctgt ttcccaggcc cactgtgcct 60
cagagaccag ggctccagcc cctcttgagag aagctcagct aanctcacng tcctgagaaa 120
gtctaaaggt ttggaangag canaaaaccc ttgggcctga agtacngac tacatggacc 180
tgccctgcnt angagtttgn aggaagttgg agntttgttt tcctctgttc aaagctgtct 240
gttcctaccc catggngcta ggaagaggan tgggggtgng tcanaccctg gaggcctca 300
accctgttct ccccgagctc ctcttncatg ctgtgcnccc atggctggna cgaacgactt 360
ctncttctgt tnnccgttct gtaaaanagt agntttttgt tcaatttaat gcttgtacca 420
tgngtgaata cgangggnan gagnaacctn ctctgagctc ntcttttaa 469
```

<210> 178

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 125, 147, 182, 232, 354, 438, 446, 463, 468, 481, 501, 512

<223> n = A,T,C or G

<400> 178

```
ctgggtgcggg gccctgcaga tgggaccatc tcaggctggg tccttgtagc ccaggagcac 60
agactggact aagcctcctg ggccttgtat gaaaaagggt ttgtacctgg ccgtttttgc 120
cagtnataat caataaaata accatantaa aaatcaaagg ctctgttctg accactcttc 180
angtcttccg ctgaaacgga aaagtgcata gcaattgaag tacatatgca gnttgcttta 240
acctcaaata gtgccagtc cacttctttc ctctgatagt ttgttcaagc tcagcaagat 300
gcagaggggc tggcctgttc tccttttgat ttctccaca aggacttctc ttcngacatc 360
cacctcttcc ctgctgcac tgaacggagc ttgatgacc catccttgag ttccttgctc 420
cccgatgata gccaccanag ggaatgncctg ccttctcaca agnactgnac tgggttcagca 480
nctttgggtt ctctttgtca nacctcaacc tnatccat 518
```

<210> 179

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 61, 68, 94, 105, 110, 121, 149, 160, 187, 191, 248, 275,
317, 336, 339, 355, 360, 373, 385, 394

<223> n = A,T,C or G

<400> 179

```
ccatgctcac ccagccaggc ccgtagtgct tcagtttgaa gatctcateg gggaagcgct 60
naccgtanat gctcttttct cctgtgccat ctncctgggt gaagnctcen cccctggatt 120
```



```

natgaagccc ttgattacac caatggaant ttgcttggtt tttggagcca aaatcctttc 180
tctcctngta nctaaggcca caaaacttat ccactgtttt ttggaacagt ctttccgaag 240
agaccaanga tcacccggcc tacatcttca tctcnaattc gctatgtcaa aatacacctt 300
gacggcgact ttgggcnctt tcttcttctc atccgncgna aaagggtccac ctccngctcn 360
cgaccacgct aanggcgaat ttcanccaca ctgngtgga cgatact 407

```

```

<210> 180
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 473, 491
<223> n = A,T,C or G

```

```

<400> 180
aaaaatgtaa caaacatcta aatatctgac aataaaatct gaaatgctgt aacttcaaca 60
ttaactgcac catccaaatt cttgtgactt acgcattttt gcccaattta acctttctga 120
tgttcccctg cccccagaca ccataaatgc attgtaattt tgaaaatata tgccaactac 180
acactgaaaa ttttaacccg atcaattgac ataataataa atctgtccca aagcactgaa 240
acaagaaaat ctataccatc atgctacaga cgtacttaga aaacttaaaa ggaagagtaa 300
atatcagctc agtgatttat aatgaagcta ataaaattca ggccagtatt ctttaagtga 360
atgaacatta tttgaacatt caacacatga aagggttaaca aaggctatga acttggtgta 420
acttaaaacg tttcagatgt cggagttcac ccagatgtaa ttgggattca ggngggatcc 480
cgccgacctc ngcccgcgac caccgc 505

```

```

<210> 181
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 275, 292, 306, 356
<223> n = A,T,C or G

```

```

<400> 181
aaaatgtaaa aattaatcga atatctatga aagggcacag gaagctagat attttaagga 60
aggaaggtac gctacttaca aagttaactt gtaaccacac aggaggggta aagattctag 120
agaagagcac tttggttaac totatacgtc ctgtggctct acccattcat aaacgagtct 180
ctatgcataa atgagtcacc aatagtttaag attacaaat atatttcaaa cctaaaatta 240
aattatccaa gttgtggtcc ctttattcaa atggnaagta tatccatgca cngaagtcca 300
aatatnttaa aaggaattaa aattaaattg catatatcat attccttcaa tagttngagg 360
gctattgctt ttaacaagat tagtattatt ccattttaat acgtcaggag tacataaaca 420
caagtacacc tgaaatacac c 441

```

```

<210> 182
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

$\langle 223 \rangle$ n = A, T, C or G

ggctcacatt	gcatgcaagt	ttgttgagct	gaaggaaaag	attgatcgcc	gttctggtaa	60
aaagctggaa	gatggcccta	aattcttgaa	gtctggtgat	gctgccattg	ttgatatggc	120
tcctggcaag	cccatgtgtg	ttgagagctt	ctcagactat	ccacctttgg	gtcgcctttgc	180
tgtcgtgata	tgagacagac	agntgcggtg	ggtgtcatca	aagcagtgga	caagaaggct	240
gctggagctg	gcaaggtcac	caagtctgcc	cagaaagctc	ataangctaa	atgaatatta	300
tcctaatac	ctgccacccc	actcttaatc	antggtggaa	gaacgggtctc	agaactgttt	360
tgtttcaatt	ggacctcggn	cncgacc				387

<211> 403

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

aaaacgccta	caaacagcct	ttttttttta	ggcaacaaaa	tacgtccagt	ccttgacatn	60
ttntcatact	cacctagcac	cacanatgca	aggacctaac	agtaaacaatg	nncaatctcn	120
tgnttaaccc	taaagcatgc	actgaattga	atttgtttgn	tgngatctat	cctactaaga	180
atgcaataca	tactttttct	tactaatatt	ttatacatta	aattaccctg	cagcattttg	240
aaattttaac	antgatgnaa	aacanccttt	naaagattta	tnaaacaagt	ttnaggttc	300
accttcaggc	tggtttggnt	aagtggaaaa	atggcagcan	ccnaaggtt	catactgaat	360
gaaaatggng	ttgggtgcat	gtcaacccat	gtaaaaaata	cct		403

<211> 341

<213> Homo sapiens

<221> misc feature

 $\langle 223 \rangle$ n = A, T, C or G

ctggaggatg	cattttctgac	cccatcccag	acacgtgaaa	gcagaagaca	tgatgcatct	60
ataataatga	aagcacaaatc	taaanagtat	tatcacaccg	tgaacagcct	cttcttgacc	120
cacagcaaat	attaagagaa	agacatttta	tttacaacaa	aganttaata	atgctcacia	180
gaatanagtt	ngcccccaaa	tggaaaaanta	cacattattt	tgtttcaaaa	agcnataaat	240
ttantgctt	aaaaatccan	caggtaagca	tnaaggacta	acagggtctg	ttcctggaac	300
tgctcgccag	caaaatganca	tgctcttgtc	ctgggaagcc	a		341

<211> 381

<213> Homo sapiens

<220>

<221> misc_feature

<222> 32, 103, 109, 125, 127, 151, 158, 217, 260, 298, 301, 319, 321, 334, 364, 375, 378

<223> n = A,T,C or G

<400> 185

```

aaaattgaaa ctgatggaac attcttttctt gntcttcacc atctgacaaa ttgaatggca 60
agaggcgat tttgccagtt tcttttcaact gatgcagatt tgngttaana tagctctgaa 120
tggangnttt ataaactggc cctgagcatt nataaagnat cagtatctga ccttttttta 180
accttctagg aatttgaaat aaatgtgttt gtgttgncctg attagatgat cattgggtgtc 240
ttgccacaat gtttaccttn gccgcgcaga cgctaagggc gaattccagc aactggngg 300
ncgtactatt ggatctacnt nggtccaact tgcntaaaca tggcatatct gttctgtgaa 360
cacncccttc cttcnttntt t                                     381

```

<210> 186

<211> 136

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 76, 105, 117, 126

<223> n = A,T,C or G

<400> 186

```

ccactttatt ccatataaca cttaaccaga tatcatttac atctgaggaa gagatggccc 60
atgagactga tctatngcaa aacactctaa gaaatgcagt ccaantttat acacttncag 120
gcattnccta gacaaa                                     136

```

<210> 187

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 168, 291, 296, 321, 369, 398, 415, 422, 447, 468, 487, 491, 492, 499, 502, 507, 516, 528

<223> n = A,T,C or G

<400> 187

```

aaaaagagca cattccattc tggatgcacac aaatgtacat taaaaataaa ataaaaaagt 60
gtaagagtac atttcaaggg aatccctgcc tctcccttgg ctgcctggca aatgattcac 120
aaccaaaaca tttctgggat atgtgactta aggaataaaa aaactcangt gttttataaa 180
aggggaatggc aggatgagga aatgatttat caagatacaa ttttactaat aattacttct 240
caaataactt aaaaatgttt tataacaaaa aatcaaaatg aaacaaaact nggtangttg 300
aatataagta ttttcaactg ntacaatact tgaggagatt tttcggccta atttctcaga 360
aactcgcena aagaatagct attcctttaca cagaatanct taaaaatttc catgnggaag 420
cnattatttt aggaattcca aaacttnttt ttttcaaaat gacatacnta atttccttga 480
aaatttnttg nnaaagggnt cntaaanaat taaacnaaac cctgtccngc gctttttttt 540
ttcttttttat aac                                     553

```

<210> 188
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 62, 72, 104, 119, 167, 175, 185, 201, 205, 224, 265, 282,
 295
 <223> n = A,T,C or G

<400> 188
 ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
 gnggtgggaa cnacaaacaa ggtttcccca tgaagcaggg tgtnttgacc catggccgng 120
 tccgctgct actgagtaag ggggcattcc tgttacagac caatganaac tgganaaaga 180
 aaganaaaat cagttcgtgg ntgcnttggt gatgcaaata tgancgttct caacttggtt 240
 attgtaaaaa aaggagagaa ggatnttcct gtactgactg anactacagt gcctntcct 299

<210> 189
 <211> 598
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 100, 109, 121, 126, 131, 143, 155, 156, 164, 169, 170, 181,
 203, 219, 232, 239, 240, 258, 272, 274, 284, 336, 404, 425,
 427, 432, 443, 453, 467, 476, 477, 496, 508, 515, 528, 532,
 539, 542, 544, 573, 576, 590
 <223> n = A,T,C or G

<400> 189
 aaattattgt taaagaatac acaatttggg gtattgggat ttttctcctt ttctctgaga 60
 cattccacca ttttaatttt tgtaactgct tatttatgtn aaaagggtna tttttactta 120
 ncttanctat nccagccaat ccnattgcct tctgnnaaag aaancaccnn aaatccctca 180
 ngtccttgg tcaggagcct ctnaagattt ttttgtcana ggctccaaat anaaaatann 240
 aaaagggttt cttcattnat ggctagagct ananttaact tcantttcta ggcccctcaa 300
 gaccaatcat caactacat tctattccat gctttncacc tgcgcathtt cttgtttgcc 360
 cccattcact ttgtgcaaga aaaccttggc ctcttgctaa agnggtatht gcccttttga 420
 caaanenggg ancaccctac canggacact atnactcatt ctggtgngca atggtnncaa 480
 actataaaga ctgccttggg gcctaattnc ccttngggaa aatgtggnet tnttgactna 540
 gnangattat aacctacgga cctggcctgg ccngcncgtt tcaaaggggn aaattccc 598

<210> 190
 <211> 323
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 162, 178, 182, 243
 <223> n = A,T,C or G

<400> 190

```
<210> 191
<211> 621
<212> DNA
<213> Homo sapiens
```

<400>	191						
aaaatgtttt	atttcatagc	tcataaaaaa	gcattgatgt	acaagactca	agtaaataga	60	
aaggcagctt	tcaatcacia	atcagttttt	cagattttac	tgnngaagca	tatttaatagc	120	
acacatttga	atgttacacn	taaataattt	taacgatgga	gtccaagctc	tggattttac	180	
attagatctg	catatataag	acacttggtg	tcaaatttca	agattggnaa	agccagnttc	240	
aagctgctta	tattttgagt	acaggnttca	ctattacaaa	tatatgatgt	taaactaaca	300	
aactcatgac	cttcaaagat	gtcttcgtcc	cacgcacaca	cattngtaat	ttgtgccatt	360	
tgtattttcc	ctttctttca	taattcttcaa	agtatatagt	tatgcattga	gttcctatgc	420	
atctctaccc	tctctctttat	ctgaaacnng	aaaaagcaca	gaaaaaaaatc	tnaataattt	480	
ttcaatcttt	ngtcatcntg	aaaataagct	taaatanaaa	tgaaatnaan	gaacacaaga	540	
aaatttttcc	ccattataaa	naattatttc	ctgccnngcg	gccctcnaaa	ggcgaaatcc	600	
acacnattgc	gnccgttact	t				621	

```
<220>
<221> misc_feature
<222> 353, 423, 451, 458, 463, 513, 523, 546, 551, 583, 591, 604,
617, 623
<223> n = A,T,C or G
```

<400> 192						
aaagtacatt	atgagaacaa	cagccctttc	ctgaccatca	ccagcatgac	ccgagtcatt	60
gaagtctctc	actggggtaa	tattgctgtg	gaagaaaatg	tggacttaaa	gcacacagga	120
gctgtgctta	aggggccttt	ctcacgctat	gattaccaga	gacagccaga	tagtgaata	180
tcctccatcc	gttcttttaa	gaccatcctt	cctgctgctg	cccaggatgt	ttattaccgg	240
gatgagattg	gcaatgtttc	taccagccac	ctccttattt	tggatgactc	tgtagagatg	300
gaaatccggc	ctcgtctccc	tctcttttggc	gggtggaaga	cccattacat	cgntggctac	360
aacctcccaa	gctatgagta	cctctataat	ttgggtgacc	acgtatgcac	tgaaagatga	420
ggnttgtgga	ccatgtgttt	gatgaacaag	ngatagantic	tcntgactgt	gaagatcatc	480
ctgcttgaag	gagccagaa	cattgaaatt	ganaatccct	atnaaaacaa	tcgtgcccca	540
gaaganctgg	ntcacaccta	tctggacact	tttggccgcc	tgngaattggt	ngctacaaga	600
aaanttttqqa	qaacacncat	tangacat				628

<210> 193
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 78, 110, 113, 130, 186, 217, 221, 299, 348, 375
 <223> n = A,T,C or G

<400> 193
 aaacaaaaca aaaaaaagtt tacaaaagaa aaaaagatac agaaaaagaa taacttgctt 60
 catatgtccc aaaaaganaa aaaaataaag gggacaatgc caacatgctn aanaataaag 120
 gcttcttttn cttatttttt taatacaaaa tacaagcaaa ggatacacat acttaaaaca 180
 gagctnagga gcagacacgc agtcctggaa acccttnaat naaagcaaag caggagggtg 240
 ttttttcttt gtctatgcag atacatacag agactgggat atgtaaaaaat taagtatcnc 300
 aaaagaccat cacacgattc taccaatgca tgttgcatct tgtaattnac gaacatggtc 360
 aacaaaatca tgttnacttc aacccccattt cattt 395

<210> 194
 <211> 269
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 166, 171, 195, 250
 <223> n = A,T,C or G

<400> 194
 aaataatata gaacaattaa agctaaccaa gcgcaacaga taaataagcc tgccagttat 60
 acacataact ttataccaac cataattcag ccagtcaaaa ttccaaaaac aatccaaata 120
 acttcaacat actatgcggt caaactaccg aataaacttg atgcanacca nctattctca 180
 agttgcaata gtatncaatg actttgctga aatgcataaa atggacaagc ctatgtatct 240
 gcgcaaccan cagggtttttt tttattttta 269

<210> 195
 <211> 179
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 45, 58, 60, 143, 148, 172, 173
 <223> n = A,T,C or G

<400> 195
 aaacataaaa gtgtttgttt ctgttatggt accataattt gatgnatata gtgtccanan 60
 ccatttagaa atttaatat tattaataac tgaaactgtt tgtcttcctt tggatatatg 120
 tctgcgatat tatattatat cangccanga taaaattttg acagctcttt annccacat 179

<210> 196
 <211> 187

<213> Homo sapiens

<221> misc_feature

<223> n = A, T, C or G

```
cctgggctcg cctggaccac aagtttgacc tgatgtatgc caagcgtgcc ttgtttcact 60
ggtacgtggg tgaggggatg gaggaaggcg atttttcatt aggncccgatg angacatgnc 120
tgccnttnan aaagattatg atgangttgg acatnatatn cctnactgat anagatnang 180
gttaata                                         187
```

<211> 76

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

```
aacatcctgg tgtttgacct ggngggcgga accttinnatg cgtctcttct naccattgac 60
aatggatgta ttctaa                                     76
```

<211> 170

<213> Homo sapiens

```
cctatctggt tggccttttt gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60
caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat 120
ccactatgat gggaaacatt tcattctcaa aaaaaaaaaa aaaaaaaatt 170
```

<211> 626

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

```
aagacatccc agcacagcat atcacgctgt ttcttaagta tttgtatttc ctgtaactga 60
agtgtagcga aaatgctact atgactcttc ctggaataca cccacctacc ttgaaccaga 120
ttatggattg gatatgtcta cttctggatg caaattttac tgttgttgta atgatgccag 180
```

```

aagcaaagag gctactgata aatctttaca agcttgtaaa atctcagata tctgtttatt 240
ctgagctcaa caagattgaa gtaagttttc gggagctaca gaaattaaat caagaaaaga 300
ataatagagg attatattca attgaagtgc tggagctctt ctgatattat caattctcct 360
tcatanacat ttataaaagc tcttttatgt gaactcttgc ttcattccagg caagaacngg 420
gtttgtttgc gaccatctca gggccaagag aaacgtgaca gtgagtacct ggacccttca 480
cttaactgat gctccngggg angactgcag gttcacatga ccctgttcta ngctgtggac 540
cattggnntg nagaggntcg caatttttta ccttgcccng gcgccgctca aaagngcgaa 600
ttcnacnanc tgtcggntgt ntagcg                                     626

```

```

<210> 200
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 15, 182, 284
<223> n = A,T,C or G

```

```

<400> 200
cttagggagc tgcantttag gaattgtctg cgtatcctta tgggggagct ctctaatacac 60
catgaccatc atgatgaatt ttgccttatg ccttgactcc tgccatttat catgagatta 120
atactgtgat tcccgcgtgt ttcttttctt tgcattttcc taatatgcct ttactgatcc 180
gnttgcgtgt aaccctatgc tattccatgt gtcaagtggg ccttgtgtct gccagcttct 240
atgtgaagat tgcctttgca ctcagtgtaa gtttctgtca gcantagttt caccatttg 300
catggaaaaa ttt                                     313

```

```

<210> 201
<211> 81
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 47, 50, 61, 71, 76, 79
<223> n = A,T,C or G

```

```

<400> 201
ccacagtcaa gagggagtag gggactcacc cctcctgcct tctgtgncn aagggggctg 60
ntcaacctat nacgngant a                                     81

```

```

<210> 202
<211> 115
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 29, 31, 43, 48, 67, 72, 79, 82, 89, 95, 96, 114
<223> n = A,T,C or G

```

```

<400> 202
gctgatcctg tttattttggc aggaaaacna nacaatccag cancccanga gggacaggtg 60
gacttantcc tntcctctnt cnactccanc cccannccca ccttggtcct tctng      115

```


<210> 203
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 18, 42, 72, 83, 97, 102, 117, 119, 128, 143, 144, 152,
 159, 166, 174, 186, 189, 194, 198, 214, 228, 232, 246, 249,
 254, 274, 285, 291, 293, 308
 <223> n = A,T,C or G

<400> 203
 cgaggncgtg attttggnnt tctccctgtc ccttcctttt tncctattc tttggcagct 60
 tgtatcaaat gntacagttt atnttggtga ataaatnctt cncctaacat aacactnant 120
 gctcattnat ttaaaagcct tttnagcaca antttcttnt gcccnttta ctgntgcaca 180
 ctcatnaang gggntgcntt gcttttgcct ctgncccaac caggttnca tntatcactt 240
 ggatgntanc ctgnaaaca cattataggg attnacactg ccttntgagg nonatcataa 300
 ttggcgantt tctacaca 318

<210> 204
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 27, 35, 40, 90, 104, 144, 156, 164, 165, 173, 204, 207, 236,
 243, 256, 260
 <223> n = A,T,C or G

<400> 204
 gccatcata tgccctgagg ccagcangcg cccanctcan gcaacacacg ccttcactta 60
 aaaaggccga ggagcggcgg gatccacctn aatccaatta cacntgggtga actcccatat 120
 cttaaagcgt ttaagtcaca ccanagctca tagccttgt taanntttca tngnttgaat 180
 gttcaaataa tggtcattac actnaanaat actggcctga aaaattattt atcttnatta 240
 ttnaaaacac tggagncttn ataaaatact tcat 274

<210> 205
 <211> 110
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38, 53
 <223> n = A,T,C or G

<400> 205
 ctgtcatcac gtcttccacc acaggaatgg agccatanga gcaagcctca tanattcgat 60
 agcattctgt gtttactccg accgggcaca atgtgatatc actctgaaaa 110

<210> 206

<211> 153
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 53, 87, 99, 129, 133, 148
 <223> n = A,T,C or G

<400> 206
 aaaaacaaaa acagaatggt gtacgtgaag attctaggag gggagggacc agnaaatctg 60
 agagaaccgt cctggggcct cccttcnagg agccctctna tgtgaggagg gacttgagat 120
 gattgacgnt gcngagagag gttttctnaa act 153

<210> 207
 <211> 150
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 56, 71, 75, 112, 120, 122, 130, 135, 144
 <223> n = A,T,C or G

<400> 207
 aaattgtatt gaacagggca tataaaatgc attctgtacc ctgatctggc atatancttc 60
 aaaactgcag nggcnagtgt ccattcttta gaatagctac cttaactgtc ccccccttan 120
 tntctgtgcn atccnctctc tgcnttggtt 150

<210> 208
 <211> 228
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 18, 70, 75, 100, 105, 108, 110, 119, 125, 128, 135, 137,
 162, 163, 171, 172, 180, 185, 191, 203, 211, 215, 218
 <223> n = A,T,C or G

<400> 208
 ccaggggtgc taagcagntg gtggtgcagg aggcattgct gatgatcttg aggctgttgt 60
 cataactctn atggntcaca cccatgacga acatgggggn attancanan ggggcaaana 120
 ttatnacncc ttttncnttc cccctgcac aatgaatacc cngtctctt nncatgccc 180
 ggtgnagaga nccccccctg tgncttatac ntacnttntc ttcttccc 228

<210> 209
 <211> 505
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 48, 89, 113, 140, 145, 196, 223, 256, 277, 278, 279, 291,

342, 375, 400, 401, 414, 416, 423, 428, 444, 445, 467, 472,
473, 477, 492, 495

<223> n = A,T,C or G

<400> 209

```

aaaaaaacag aaacaaatca acagctctct acatcatgca tgggtagntt tcttacccca 60
tctttttttt tcctcaataa ttaacgcana gaaaccattg tttgaaaaga atntgaaaac 120
ttgctacaga aacacccggn gaaanagggt gtggggcata ttcatgccct agaatgcgcc 180
taccacagtg tagctnttca taaatgcaac attgtagaca tanatgaatc caaagtattc 240
agcagttttc ctccgntcag aagactaaag ctccagnnng acaatgctca ntgaggcttc 300
acagccactg gagggcacca ttacccattc atcttgacat cncatttcca taaaaagga 360
ccttgcccgg gcggnccgct ctaaaggggc gaagttccan ncccacttgg cggncngttt 420
acntagtngg aattccgacc ttcnngtacc caaagctttt ggtcttnaat tnnattnggg 480
ccattagctt gnttntctct ctgtc 505

```

<210> 210

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 299

<223> n = A,T,C or G

<400> 210

```

aaaaccatga aagaagttga aggcagcatt cctcagctct gtgacttggtg accctatttg 60
aagtttcagg atttgggtgt cacaaaggat tgtccctaata ccttggccct ggggtcttcc 120
gagtgaagctg gtttaatact ctgagaatga gcaggagat ccagagaatg aatccctgac 180
cgcatacact aaactgtctt ccaaaccatga gacaaagctg actgttcaca ctgattgccc 240
agcacatacc gtcttgccag tttcttcttt tctcccagtc tctgtttcat ccattctgnt 300
ctcccttggg gtgggaatct atgatggagg ttactgggga aacagctcac agatttttgg 360
agaccaaacc aaaggtctca ctaggaaatt tatctgtttt 400

```

<210> 211

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 13, 14, 20, 35, 36, 50, 229, 274, 427, 434, 501, 522,
564, 565, 583, 594

<223> n = A,T,C or G

<400> 211

```

caaancaaaa ttnggccan cgtctttctt tctgnnttat gacagaccan cctccagcct 60
tgggtgtgta tctacatgta gccctgcgta cctgtcttct ttttagcatt caagaccac 120
tcagggcctc aaattagcca atggtgaata tggatatagg acttttagag ggatgcaggt 180
tgagttgtac ataacttaga ggtgaagtgc aggtccgaaa cagggtctana ctttgagaa 240
ctgtaaaatg gctcactgag catgacagca tcangacccc tggagtggct ttcaaactta 300
ccttcttctg caggctactt ctggaaatcc ctaggactta ccagctttct gaacactgcg 360
catcatggga ggggtgaagag gaaaaggggc tagttaaata cttgcttcta ctgtgggccc 420
aactcangag gagnccataa gctaagccct tgggcttgac agctctactt ttcacctcta 480

```

```
<210> 212
<211> 584
<212> DNA
<213> Homo sapiens
```

<400>	212						
aaacaagggtt	tcccatgaa	gcaggggtgtc	ttgacccatg	gccgtgtccg	cctgctactg	60	
agtaaggggc	attcctgtta	cagaccaagg	agaactggag	aaagaaagag	aaaatcagtt	120	
cgtggttgca	ttgtggatgc	aaatctgagc	cgttctcaac	ttggttattg	taaaaaaagg	180	
agagaaggat	attcctggac	tgactgatac	tacagtgcct	cgcgccttg	gccccaaaag	240	
agctagcaga	atccgcaaac	ttttcaatct	ctctaaagaa	gatgatgtcc	gccagtatgt	300	
tgtaaagaaag	cccttaaata	aagaaggtaa	gaaacctang	accaaaagcac	ccaagattca	360	
gcgtctttag	actccacgtg	ttctgcagca	caaacggcgg	cgtattgtct	tgaagaanca	420	
gcgtaccaan	aaaaatnaaa	gaanangctg	canaatatgc	taaaacttttg	ggacctcggn	480	
cgcgaccacc	ctaagggcga	attccacnca	cttnngcggc	cgtttctann	gggatccgan	540	
cgcggtaccc	aaacttttgc	qgtaatcatt	qgncataacc	ntgg		584	

```
<210> 213
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 44, 134, 166, 244, 293, 334, 335, 344, 357, 359, 376, 393,
402, 405
<223> n = A,T,C or G
```

<400>	213						
ctggatgaag	ttgtgtcaga	gaaccagagg	cttaaagtcc	ctantccaaa	gcgaagagtt	60	
gtctgtgtga	tgatagtatt	ggcattttata	atactgaact	atggacctat	gagcatgttg	120	
gaacaggatt	ccangagaat	gaaccctatt	gtgagccctg	caaatnaaag	gaggcacctt	180	
ctaggatttt	ctgctaaaga	ggcacaggac	acatcagatg	gtttatccag	aaaaacagct	240	
acanatatga	tcattotgtt	tcaaatagaca	aaccctgatg	gtgctaactg	aanaaccatt	300	
gctttacatt	cctccacctc	cttgtcagcc	cctnnttaac	acancagagt	ctctcangnt	360	
aaaatcatga	acttcnaggg	atgggttcac	atnaccttaa	antancaaaag	gacccatgt	419	

```
<210> 214
<211> 318
<212> DNA
<213> Homo sapiens
```

<400> 214
aaatatcaca agtaggtctt aagtgtcatt tggcatcttc tttctgtacc caggtaacte 60

```

ttagatctta ttcattcagcc tgcctgaacag ttcttttttc agagacatag ataccatcca 120
aaaattttcct gatattccttg tttttaactg ttgtggccttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca ttctcttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggc ctcatccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagag

```

```

<210> 215
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 350, 399
<223> n = A,T,C or G

```

```

<400> 215
cccgaattct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ctttcctgct tgagttccca gatggctgga 120
aggggtccag cctcgcttga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgcccattg agactctagg gtccagtggg tgccacagcc cagcttggcc ctttccttcc 240
agatcctggg tactgaaagc cttagggaag ctggcctgag aggggaagcg gccctaaggg 300
agtgtctaag aacaaaagcg acccattcag agactgtccc tgaaacctan tactgcccc 360
catgaggaag gaacagcaat ggtgtcagta tccaggctnt gtacagagtg cttttctgtt 420
tagtittttac tttttttgtt ttgttttttt

```

```

<210> 216
<211> 747
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 422, 432, 550, 560, 569, 577, 580, 584, 605, 614, 615, 625,
640, 647, 669, 673, 687, 693, 701, 704, 711, 726, 727, 736,
738, 746
<223> n = A,T,C or G

```

```

<400> 216
gcgcgggagc tgggttgctc ctgctcccgt ctccaagtc tggtacctcc ttcaagctgg 60
gagagggctc tagtccctgg ttctgaacac tctggggctc tcgggtgcag gccgccatga 120
gcaaacggaa ggcgcgcgag gagactctca acgggggaat caccgacatg ctcacagaac 180
tcgcaaacct tgagaagaac gtgagccaag ctatccacaa gtacaatgct tacagaaaag 240
cagcatctgt tatagcaaaa taccacacaa aaataaagag tggagctgaa gctaagaaat 300
tgcttggagt aggaacaaaa attgctgaaa agattgatga gtttttagca actggaaaat 360
tacgtaaaact ggaaaagatt cggcaggatg ataccaagtt catccatcaa ttctctgact 420
cnagitagtg gnattggtcc atctgctgca aggaagtttt gtagatgaag gaattaaaac 480
cttagaagat ctcaaaaaaa atgaagataa atttgaacca tcatcagcga attgggcttg 540
aaatatattt ggggactttt gaaaaaaaana attccnctn aaanaagatg ttccaaatg 600
ccaanaatat tttnncttaa attgnaagtt aaaaaaaaaa gggaatnctg gaataccatt 660
tggttccant ctntggggca atttttnaaa aanaaggtcc naantccaat nggcgacaat 720
tgggannttt ttctnanc c atccncc

```

```

<210> 217

```

<211> 693
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 442, 507, 536, 540, 569, 613, 628, 637, 643, 661, 676, 689
 <223> n = A,T,C or G

<400> 217
 aaatatcaca agtaggtcct aagtgtcctc tggcatcttc tttctgtagc caggtaactc 60
 ttagatctta ttcacagcc tgcagaacag ttctttttc agagacatag ataccatcca 120
 aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
 ctgaacaagc aacacctggt ctcacccgaa cctgcggat atatttttca cccaagaaat 300
 ttccgatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
 acacagacct catcttgtaa cgggaagcca gtgtaacacc cttgatcatg ttctgtacat 420
 gactacaaat agtcogaacg gnagccagtt cttttctgtt acccccccatt tgtcaaccgg 480
 gaacctcttt tttttctttt ccagaangct gagttctcat tgatgtgatt gaaagnccn 540
 cccaggggtc ctctggggcc cttacgaana ctggcgctcc ttcagaataa tgcgacatt 600
 ttctggaatg tcnacagctg atgtganaa tagcttnacc tgncccgcg gccctcaagg 660
 ngaattccac aactngcgc ggttctang atc 693

<210> 218
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 218
 cctgttctgg gagatgggca tattcacctg ccaaaatctg ctggaatcct ttgatggctc 60
 ccttcagggg taccagcttc cccatatgac ctgtgaagac ctcagcaacc tggaatggct 120
 gagacaagaa acgctgtatt ttccgtgcac gggacacggg caacttgtct tccacagaaa 180
 gttcatccat acccaggatg gcaatgatat cctggaggga tttgtagtcc tgcaggatct 240
 tttgcacccc acgggcaaca tcgtaatgct cactgccaac aatgttggga tccatgatac 300
 gagaggtgga gtctagagga tccacag 327

<210> 219
 <211> 778
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 387, 529, 550, 563, 566, 597, 637, 638, 646, 652, 656, 665,
 673, 675, 687, 691, 697, 729, 741, 745, 747, 764, 767
 <223> n = A,T,C or G

<400> 219
 aaagtggaca gattcatatt tacagtgtga tttttaagga ctgtctatat ccaaatttta 60
 ttttcgtgaa cgcttacatt ctaagagcag tacaattagc ctattacgta gggccctaata 120
 cttgttagta tagtgtgtgt gaaatacttt cttcagcttt tgccttaaca aatccaaaga 180
 tggaagatga tgacaatctg gaatattcaa cataacatga aaaaattcat tccacatata 240
 caaatgagga agccttctaa aaagaccttc aggccttacac tctcctcctt catttttcac 300
 tttcatgtaa gtgccaaaga gcatgcaata tactgttgca gcaaccccaa agtaatcgat 360

```

ctggtagttc catggtttgt tgctgancat ctcaacacac tgaaaaccag atgtttcaca 420
ctttgctgtg aatatagttc cttttggaaa aagtttcata tctatactct tgaccaggt 480
caatcagtg ccaagcccagc agaataaatc atctttcatc atcctgttnc caaaaaatcc 540
gttttccaan tattgaaaat tgnctngggg ttaaagggtc cccttgaatg gaatttncac 600
aagtcattgc cccttggcctt caaatccatt gtaaaannca atttctcat tngccnaaaa 660
ggaanatgga acnangaacc ctttganggc nttcacnttt ttttcaaggg gggtaatttt 720
ttttattana aggggttaaat ngggnanttt taaaataaaa tggnttnccc attaaacc 778

```

```

<210> 220
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<400> 220
gaggaaagga agatgcactg gtcaccaaga acctgggtccc tggggaatca gtttatggag 60
agaagagagt ctcgatttgc gaaggagatg acaaaattga gtaccgagcc tggaaacct 120
tccgctccaa gctagcagca gcaatcctgg gtgggtgtgga ccagatccac atcaaaccgg 180
gggctaagggt tctctacctc ggggctgcct cgggcaccac ggtctcccat gtctctgaca 240
tcgttgggtcc ggatgggtcta gtctatgcag tcgagttctc ccaccgctct ggccgtgacc 300
tcattaactt gg 312

```

```

<210> 221
<211> 332
<212> DNA
<213> Homo sapiens

```

```

<400> 221
ctttgggaaa gttggtatga agcattacca cttaaagagg aaccagagct tctgccaac 60
tgtcaacctt gacaaattgt ggaactttggg cagtgaacag acacgggtga atgtgtctaa 120
aaacaagact ggggtgtctc ccattcattga tgtggtgcga tcgggctact acaaagttct 180
gggaaaaggga aagctcccaa agcagcctgt catcgtgaag gccaaattct tcagcagaag 240
agctgaggag aagattaaga gtgttggggg ggctgtgtc ctggtggctt gaagccacat 300
ggagggagtt tcattaaatg ctaactactt tt 332

```

```

<210> 222
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 384
<223> n = A,T,C or G

```

```

<400> 222
ctgattcaga tcagagggaa agaaatacca acctgcaat aagtgtacta aactctacgc 60
tctggttaat gtaatgtact ctctggact gaatgcagtg tataatttct gtctacagct 120
agaagctgtg ccccgattcc acatttgatt acacatgtga gatttgctgc tgttgagta 180
taaacactag gtataatagg atttgaaatt gcattacagt tcataaaaat tgaaaatgag 240
aaattaaacc tgcaagtga acatttgaaa cgattatact ttctacataa gacatgggtg 300
ggacatcaga tacttacaaa gatgggttaa gtatggatac tagagaaaat taagttttct 360
ttctctttg tttattgatt tggnttaatt tcattatgc tattttgcat aatcaaggca 420
ctgtaaactt tataatttt 439

```

<210> 223
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 410, 546, 549, 566, 571, 576, 594, 607, 658, 664, 682, 710
 <223> n = A,T,C or G

<400> 223
 aaaaaatcat acggacaaac aactttcaaa caaaactgga ttagtaggat ttcttgcttg 60
 cttaactaac atgacagact tcttgtccca agcccttctc agaaaaacct catgtggaaa 120
 ccaagctaga gataagaatt ctccctgat gcagttaggg gaaagggaaa ggctagaaac 180
 ttctttggca agcaattcca cacacagcca tttatgtgtg agtgctctgc ttcaagcaca 240
 gtacactctt tgcagggacg gccagatgtt cagagtggga gtggtacttt tcaaccagct 300
 aaaagtgcag aagtcattcta gtcgtctgcc tcttcccact gccagtgcct gcagccttgc 360
 agcaactttt aaccacccct atggactgga atattgagtt aaaagccaan gctgagctgg 420
 ctgacgctgt agtctccatt gaaaaggaaa tggatgggat ggaaccgaga aaccccagta 480
 catgatgaca ctcaaaagac ttagggggaa agagaaggaa ggatttcaga aatgggggac 540
 agactngng gaaaatgggt gggctnaact nggaangaaa tgggggatac ctgnagttaa 600
 tattgtncat ttcgaaacca atcaagttgc ctcttggaat ggcaaaaaat caaatggngg 660
 aaangggaac ctcccttgat antttagggg ccaacaggga ttgggaaaaan acttccttga 720
 a 721

<210> 224
 <211> 665
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 510, 522, 526, 551, 554, 559, 572, 585, 604, 612, 619, 623,
 636, 645
 <223> n = A,T,C or G

<400> 224
 ggaacctgcc atgaacccaa caaatgccaa tgtcaagaag gttggcatgg aagacactgc 60
 aataaaaggt acgaagccag cctcatacat gccctgaggc cagcaggcgc ccagctcagg 120
 cagcacacgc cttcacttaa aaaggccgag gagcggcggg atccacctga atccaattac 180
 atctggtgaa ctccgacatc tgaaacgttt taagttacac caagttcata gcctttgtta 240
 acctttcatg tgttgaatgt tcaaataatg ttcattacac ttaagaatac tggcctgaat 300
 tttattagct tcattataaa tcaactgagc gatattttact ctccctttta agttttctaa 360
 gtacgtctgt agcatgatgg tatagatttt cttgtttcag tgctttggga cagattttat 420
 attatgtcaa ttgatcagggt taaaattttc agtgtgtagt tggcagatat tttcaaaatt 480
 acaatgcatt tatggtgtct tggggggcan ggggaacatc anaaanggta aattggggca 540
 aaatgcgtaa ntcnccaana aatttgatg gngccagtta atggntgaag ttacagcatt 600
 tcanaaattt anttgtcana aantttaaaa aggttnggtt accanttttt acccttgccc 660
 cgggc 665

<210> 225
 <211> 720
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 488, 495, 547, 554, 584, 652, 655, 680, 682, 692, 697, 698,
 704, 707, 715
 <223> n = A,T,C or G

<400> 225
 gtcctttctc tgaaaggatt tatgtttttc ttcgttagat agtgacttct gagcaagctg 60
 atctcccctg gcatgtctcca acctgattgg acaaaggaag ctctatggcc tgggagagag 120
 actattctta atttttcttt cttacaaaaa ctgatttttc ccataaatat ttttacttca 180
 gaggactagg accattttgt tttgggccct tctgctgaaa atttgtctcg ttttaagaggc 240
 agctagaatc tttaccatat gtatgaattt gtataatttc atttttggat agggataaac 300
 ttttgcttct gataaaagcc tgggaatttca tctggctctc agagcattgc gtgtgtgtct 360
 tgctgtagcc cggaaaaggt tttgtgtaaa gattctggga tggcaagttg tttgcctttt 420
 ctgaaaagag aacatacaga acctgtcatc ttttaagacct tcatcccatg gaatctacta 480
 tacagganga tgcantgggg ctggaggggg atgggcgaaa atggggaaca ggaagcctgg 540
 cctgggnttc tggncatggg cctcctaata ccttaaaact caangtagaa aatgccctca 600
 accccctatt tataaaaccaa aacttttctt ggccctcccc caaacccctc anaanaacat 660
 tacccttggg aattgccccn cnccttgggt tnggaannca attnggncaa acccngcccc 720

<210> 226
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 226
 ccttgacctt ttcagcaagt gggaagggtg aatcctgtct cacagacaag gccaggactc 60
 gtttgtaccc gttgatgata gaatggggta ctgatgcaac agttgggtag ccaatctgca 120
 gacagacact ggcaacattg cggacacctt ccaggaagcg agaatgcaga gtttctctg 180
 tgatatcaag cacttcaggg ttgttagatgc tgccattgtc gaacacctgc tggatgacca 240
 gcccaaagga gaagggggag atgttgagca tgttcagcag cgtggcttcg ctggctccca 300
 ctttgtct 308

<210> 227
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 227
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
 ggtattaggg ataatatcca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcac 277

<210> 228
 <211> 648
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 441, 540, 546, 571, 575, 605, 608, 612, 619, 621, 629

<223> n = A,T,C or G

<400> 228

```

aaatgggttaa agccattttac ataatataga aagatatgca tatatctaga aggtatgtgg 60
cattttatttg gataaaattc tcaattcaga gaaatcatct gatgtttcta tagtcacttt 120
gccagctcaa aagaaaacaa taccctatgt agttgtggaa gtttatgcta atattgtgta 180
actgatatta aacctaaatg ttctgcctac cctgttggta taaagatatt ttgagcagac 240
tgtaaacaaag aaaaaaaaaa tcatgcattc ttagcaaaat tgcctagtat gttaatttgc 300
tcaaaataca atgtttgatt ttatgcactt tgtcgctatt aacatccttt ttttcatgta 360
gatttcaata attgagtaat tttagaagca ttatttttagg aatatatagt tgtcacagta 420
aatatcttgg tttttctatg nacattggac aaatttttca ttccttttgc tcttttgggg 480
gtgggatcta acactaactg tattggtttg gttacatcaa ataaacattt ttccctcggn 540
cgcgancacc cttaagggcg aatttccagc nccntggcg gccgttacta gggggaatcc 600
ccaanctncg gnccccaanc nttgggcgna atcatgggc atagctgg 648

```

<210> 229

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 227, 341, 436, 453, 491, 509, 525, 533, 538, 546, 562, 567, 572, 584, 585, 592, 612, 621, 637, 642, 661, 665, 685

<223> n = A,T,C or G

<400> 229

```

aaaaatgtaa caaacatcta aatatctgac aataaaatct gaaatgctgt aacttcaaca 60
ttaactgcac catccaaatt cttgtgactt acgcattttt gcccaattta acctttctga 120
tgttcccctg cccccagaca ccataaatgc attgtaattt tgaaaatata tgccaactac 180
acactgaaaa ttttaacctg atcaattgac ataataataa atctgtacca aagcactgaa 240
acaagaaaaat ctataccatc atgctacaga cgtactttaga aaacttaaaa ggaagagtaa 300
atatcagctc agtgatttat aatgaagcta ataaaattca ngccagtatt cttaagtgta 360
atgaacatta tttgaacatt caacacatga aagggttaacc aaaggctatg aacttggtgt 420
aacttaaaac gttcanatgc gggagtcacc canatgtaat tgggatccag ggggatcccc 480
cccgtcctc nggcttttta aattgaagnc gtgtgctgcc tggancttgg gcncctgntg 540
ggctcngggc atgtatgaag gnttggnttc tnccttttta ttgnnggggg cntccatgcc 600
aacccttttt tnacatttgg nattttgggtt ggggtcnatt gnggggggttc cttgtgcccc 660
nccgnccagg ctccgcgggc cggcntggaa tcc 693

```

<210> 230

<211> 377

<212> DNA

<213> Homo sapiens

<400> 230

```

ctgtttacag aaatatagtt gcgagtatac aaatgttcca atagaagcaa aatatctttt 60
taatatataa caagttatca cagatagcta aaaacataga tgcaaatgaa attccccag 120
agaacaaact gaaaatatct ggtatcagtg ctctgaaatc ccaactatga aagccatata 180
cacaaaaatg taacccttat atcattgcag gacaatggaa gaaggcagtt cagtggttga 240
tcagtgtgct caagcaaata aaattaaata aaaattaaaa atggcagaat ggtagctaaa 300
ccacttgaga acagggttaat gaaattattg gtactatact taaaacatta agtaaaagaa 360
gtgaatgaaa ctcatatt

```

<210> 231
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 231
 ctgaactaga cccaggtgag gcagggctga aaactgccct tgggctgact tttgataggc 60
 catgccttgc cactttacaa gttctttttg catttactag tatttaagag taaccttgag 120
 attgggagga atagaggagg ctggtacaaa tagatggaga cctgctggga tcagtgaatg 180
 cctgattagg acatggggct atgcatagcc taagagttat aggcttaaag atgtcgagta 240
 actaaaaact gtattgctgg cggggcgcgg tggctcacgc ctgtaatccc agcacttttg 300
 gaggccaaag cgggcagacc atgaggtcag gagattgaga ccacccctgg 349

<210> 232
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 232
 ctggctcagg aagccaagaa actggatgcc aagaccccat cccagcggaa caagtggcaa 60
 cagcaggagt taatagcaga gttgaggcgg cgccaggcca aggaacaccg gcctgtttat 120
 gaggggaagg atggtaccat cgaggacatc atcacagtgc tgaagagtgt ccctttcacg 180
 gcccgtaactg ccaagcgggg ctacacgttc ttctgtgatg cagcccacca tgatgagtca 240
 aactgttagc cccaaggtt ggggcccgcac agg 273

<210> 233
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 233
 ctgttgaatt gacagaaaaa attgctcagc ttttcagcat ttccccttgc cagatcagcc 60
 agatttacaa gcagggggcca acaggaattc atgtgctcat cagtgatgag atgatacaga 120
 actttcagga agaagcatgt tttattcttg acacaatgaa agcagaaacc aatgatagct 180
 atcatatcat actgaagtag gagtgcggcg tttcgtgcc agtggctgct ccttccttca 240
 cctctgaaaa cggccctctt gaagggggat atgaatggag atttgaaggt ctgcaagaac 300
 ctgactcgtc tgaactgtgtg tggaggagtc caggccatgg aggcagaatc ctggccctct 360
 gtgttggccc aagctcttgt ggtacacaca gattactgcc caatatgcag ttctgcagac 420
 ctggcccgcc gaccacgc 438

<210> 234
 <211> 312
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 192, 199, 214, 218, 219, 243, 249, 257, 258, 270
 <223> n = A,T,C or G

<400> 234
 cgagacagtt actcaagcag ccgaagtgat ctctaactcaa gtggctcgtga tcgggttggc 60
 agacaagaaa gagggcttcc cctttctatg gaaagggggg accctcctcc acgtgattcc 120

```
<220>
<221> misc_feature
<222> 484, 493, 530, 542, 552, 557, 566, 575, 583, 593, 594, 602,
614, 616
```

<223> n = A,T,C or G

<400> 237

```

aaagagatTT attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttagc atcttatacc caactactta ctcaccccgga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaagggaaac tatgtggcaa gtaccctctt tcccttccca cccccaatt aaaggcaaac 300
aatggcactt tgcccttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaatgctta aacaaaagac aacatatTTT atatcaaaca agtttgaaaga gccctgaatt 480
gcancattct gtcataaac aaacaaaaag cttgggtgta ggatttattn gtcaaaaggc 540
angaatttct tnaggcnggc taaggnaagg gagngggggg ggntcgtttt ttnnnggcatt 600
tnttcacggg cccngnccga taggggtggg c 631

```

<210> 238

<211> 426

<212> DNA

<213> Homo sapiens

<400> 238

```

ctcacgttga tgtcaagact accgatgggt acttgcttcg tctgttctgt gttgggttta 60
ctaaaaaacg caacaatcag atacggaaga cctcttatgc tcagcaccaa caggtccgcc 120
aaatccggaa gaagatgatg gaaatcatga cccgagaggt gcagacaaat gacttgaaag 180
aagtggctaa taaattgatt ccagacagca ttggaaaaga catagaaaag gcttgccaat 240
ctatttatcc tctccatgat gtcttcgtta gaaaagtaaa aatgctgaag aagcccaagt 300
ttgaattggg aaagctcatg gagcttcatg gtgaaggcag tagttctgga aaagccactg 360
gggacgagac aggtgctaaa gttgaacgag ctgatggata tgaaccacca gtccaagaat 420
ctgttt 426

```

<210> 239

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 439

<223> n = A,T,C or G

<400> 239

```

ctgttgggcc aactacacag accttactcc ccttagaaca ggaaaaaatt ataagattga 60
atttatactg gataatgttg ttggggtaga atccagaact ttcagcctgc tggcagagtc 120
tgtctctagc agtggcagca gcagcagcag caacagcaaa gcatcaactg tgggtacata 180
tgcccagata atgactgtag taattagctg tctggttgga agaattgtggc tcttggaat 240
atttatggct gcagtttcaa ctttgaatat aactttaaga agctactaaa gtgctgttcc 300
gaagaatagg ctgaacaaaa aatataagaa ttattagcta ctttgttggg caataggcaa 360
aagtctatag cattttcatg aaaatatact aaaaatattt ttatgatata taaaatgtac 420
taattagctt tacctcggnc cgcgaccag c 451

```

<210> 240

<211> 341

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 326, 335
 <223> n = A,T,C or G

<400> 240
 cttcaagcta gggttttgcag ttcccaacca caacattctt ctattttgcc aggctgggtgc 60
 aaagtaatta aagatgtcaa tcagaaatgt caatgagact aaagtggttt tgtaaatctc 120
 agctatatatt agcaacactc catgtagcta atattttttg gtagcatctg gtagacctta 180
 gaatgttaca tagccagtag gttcttttatt caaattttta gtatcttaag aatagtaggg 240
 cagtaacagt tactttttgag agttttctgg tcaagctttt accaggcatt ctctagcctt 300
 ggtacaaaaa aaaaaacctg ctggtngcgc aaatncctag g 341

<210> 241
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 238, 328, 365, 374, 378, 382, 386, 388, 395, 400, 427
 <223> n = A,T,C or G

<400> 241
 ctcaaatgta taaaccatta agtagtcaaa tggctacagt gaaaaacagt attttatagt 60
 aggtatagat aattggcaca gataagctca gaaaagaatg atcagttctt gctggagtaa 120
 ttctagggaa atggctttca tggagaaaag gaaaagagga agtgtagtat cagtctatgt 180
 tgtctattgc taatgtggaa tgggtgtttc tgcttctacg ccttactgat tccagttntt 240
 atatttagaa aacaaattaa gtgaagcttc tggaggtagg gctgaaaatg gtgaaagaag 300
 tgacttggaa gaggacaacg agagggangg aacggaaaat ggagccattg atgctgtgtc 360
 ctgtnatgaa aatntttncn cngganangg atttnggatn gctacgaaga acggaattcg 420
 gattccnctt 430

<210> 242
 <211> 239
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 92, 93, 147, 150, 162, 165, 187, 191, 196, 205, 207, 210,
 227, 232
 <223> n = A,T,C or G

<400> 242
 gtgcagtag ttccagtagc agctccagta caagtggcag cagcagcaga gatagtagca 60
 gtagcactag tagtagtagt gagagtagaa gnnggagtag gggccgggga cataatagag 120
 atagaaagca cagaaggagc gtggatnngn agagaaggga tncnncagga atggaaagat 180
 gttcatnata naaatngtgg tgtananaan atcaaaaaaa ctggggnttt gnattaacg 239

<210> 243
 <211> 282
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 241, 267, 274

<223> n = A,T,C or G

<400> 243

```

aaatgactgt gctgcccctt tcacatcaaa gaactactga caacgaaggc cgcgctgcc 60
tttcccatct gtctatctat ctggctggca gggaaggaaa gaacttgcac gttggtgaag 120
gaagaagtgg ggtggaagaa gtggggtggg acgacagtga aatctagagt aaaaccaagc 180
tggcccaagg tgctctgcag gctgtaatgc agtttaatca gagtgccatt tttttttgt 240
ncaaagtatt ttaattattg gaatgcncaa ttgntttaat at 282

```

<210> 244

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 593, 606, 608, 677, 682, 697, 701, 703, 710

<223> n = A,T,C or G

<400> 244

```

aaaggtccaa aagcctgcc aacctgga attctacatt gggacccagt tgatggaaag 60
actaaagcca tctatgcagc acatgtttat gaagttctat tctgccact tattccagaa 120
tggcagtgt ttagtaggag agctctacag ctatggaaca ttattaaatg ccattaacct 180
ctataaaaaat acccctgaaa aagtgtatgcc tcaaggtctt gtcactctct ttgctatgag 240
aatgctttac atgattgagc aagtgcacga ctgtgaaatc attcatggag acattaaacc 300
agacaatttc atacttgga acgattttt ggaacaggat gatgaagatg atttatctgc 360
tggcttgga ctgattgacc tgggtcagag tatagatatg aaactttttc caaaaggaac 420
tatattcaca gcaaagtgtg aaacatcttg ttttcagtgt gttgagatgc tcagcaacaa 480
accatggaac taccagatcg attacttttg ggttgctgca acagtatatt gcatgctctt 540
tggcacttac atgaaagtga aaaatgaagg aaggagaagt gtaaaccttg aangtctttt 600
tagaangntt tcctcatttg ggaattgtg ggaatgaatt tttttcatgt tattgttgaa 660
tattccaaaa tggcatnttc tncctctttg gaattgntaa ngnaaaaaacn cg 712

```

<210> 245

<211> 689

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 481, 489, 505, 533, 535, 538, 585, 589, 591, 595, 626, 647, 655, 661, 662, 683

<223> n = A,T,C or G

<400> 245

```

catttttaag gcttatctaa ttaactgtgt ttggaactgc tataaataca tcaacaaccg 60
aaacgtgccg gagattgctg tgtaccctgc ctttgaagca cctcctcagt acgttttgcc 120
aacctatgaa atggccgtga aaatgcctga aaaagaacca ccacctcctt acttacctgc 180
ctgaagaaat tctgcctttg acaataaatc ctataccagc tttttgtttg tttatgttac 240

```

```

agaatgctgc aattcagggc ttttcaaact tgtttgatat aaaatatggt gtcttttggt 300
taagcattta ttttcaaaca ctaaggagct ttttgacatc tgttaaacgt ctttttggtt 360
ttttgttaag tcttttacat tttaatagtt tttgaagaca atctaggtta agcaagagca 420
aagtgccatt gtttgccctt aattgggggg tgggaaggga aagagggtac ttgcccatag 480
ntgcctttnt aactgcactt tctgnatata atcgtttgca ttttggtact tgntnccntg 540
agtactttca ggaagactga cttaaatatt tcgggggtgga gtaangagnt ngggnattaa 600
gaacttgaaa ctttttcatt tgccanaagg caaaaaaaaa aaatttngac cattnggggg 660
nnttggaact gtgggaaaaa aanaatggg 689

```

<210> 246

<211> 701

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 496, 526, 539, 573, 584, 647, 688, 701

<223> n = A,T,C or G

<400> 246

```

ctgaaagaag cccaagtaca gtatcctctc cagacatttg caattggcat ggaagacagc 60
cccgatttac tggctgctag aaagggtggc gatcatattg gaagtgaaca ttatgaagtc 120
ctttttaact ctgaggaagg cattcaggct ctggatgaag tcatattttc cttggaaact 180
tatgacatta caacagttcg tgcttcagta ggtatgtatt taatttccaa gtatattcgg 240
aagaacacag atagcgtggt gatcttctct ggagaaggat cagatgaact tacgcagggt 300
tacatatatt ttcacaaggc tccttctcct gaaaaagccg aggaggagag tgagaggctt 360
ctgaggaac tctatttggt tgatgttctc cgcgagatc gaactactgc tgcccattgt 420
cttgaactga gagtcccatt tctagatcat cgattttctt cctattactt gtctctgcc 480
ccagaaatga gaattncaa gaatgggatg gaaaacatct tctganagag acgtttgang 540
attccaatct gatcccaaag agattctctg ggnaccaaaa gaanccttca gtgatggaat 600
aacttcagtt aagaattcct gggttaagat ttacaggaa tacgttnaac atcaggttga 660
tgatgcaatg atggcaaatg cagccanaaa atttcccttc n 701

```

<210> 247

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 90, 498, 503, 509, 513, 522, 525, 542, 544, 557, 560, 568

<223> n = A,T,C or G

<400> 247

```

aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcacagacc tgctgaacan ttcttttttc agagacatag ataccatcca 120
aaaatttctt gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttcttg gcttgagata 240
ctgaacaagc aacacctggt ctcacccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gagccagttc ctttctgttc cccaccattt gtcaccggga 480
cctctttttt ttctttcnag aanctgagnt ctncattgat gngantgaag ccctcccagg 540
gntnctctgg ggcccttnacn ataactgncc gtccctt 577

```


<210> 248
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 248
 aaagtaagtc gtttcctttt atttgaacac ctaggggccca ttttagagtt ataattagcc 60
 caatttctat atcattttgt ctcaggggaat agaagcgtga gggagggaga gagttggggg 120
 aatggctggt tggtagagtg gtcagaatac acacaacatt tataaat 167

<210> 249
 <211> 333
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 280, 293, 326
 <223> n = A,T,C or G

<400> 249
 gtctactgcg agaatgaaga ctattctcag caatcagact gtcgacattc cagaaaatgt 60
 cgacattact ctgaagggac gcacagttat cgtgaagggc ccagaggaa ccctgcggag 120
 ggacttcaat cacatcaatg tagaactcag ctttcttgga aagaaaaaaaa agaggctccg 180
 ggttgacaaa tgggtgggta acagaaagga actggctacc gttcggacta tttgtagtca 240
 tgtacagaac atgatcaagg gtgttacact gggtctccgn tacaagatga ggncgtgtga 300
 tgctcacttc cccatcaacg ttggtntcca gga 333

<210> 250
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 314, 317, 320, 333, 348, 353
 <223> n = A,T,C or G

<400> 250
 ccacaaaaaaaa gcatgcaaag tcattgttac aacagggatc tacagaacta tttcaccacc 60
 agatatgacc tagttttata tttctgggag gaaatgaatt catatctaga agtctggagt 120
 gagcaaacaa gagcaagaaa caaaaagaag ccaaaagcag aaggctocaa tatgaacaag 180
 ataaatctat cttcaaagac atattagaag ttgggaaaaat aattcatgtg aactagacaa 240
 agtgtgttaa gagtgataag taaaatgcac gtggagacaa gtgcatcccc agatctcagg 300
 gacctcccc ctgncntnctn accttggggg aantgagaag acaaggantg ggnccttggtc 360
 cttg 364

<210> 251
 <211> 248
 <212> DNA
 <213> Homo sapiens

<220>

```

<221> misc_feature
<222> 87, 93, 99, 160, 169, 176, 182, 188, 190, 196, 214, 219,
226, 229, 231
<223> n = A,T,C or G

<400> 251
gccagcgcga aggaagtgtt ggagtcgtgt gttttggctg cgcgtgatcc tgcgtgggtc 60
gggaggtgtt tctgtgaaaa gcctaangat tanactgtna gaaaagaaaa tagaagccat 120
gtttcgaaga cctgtattac aggtacttcg tcagtttgn agacatgant ccgaanacaac 180
tnccagtnn gtcttngaaa gatccctgaa tcgngtgcnc ttcttntgnc nagtgggtca 240
ggaccctg 248

<210> 252
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 344, 354, 360, 363, 366, 373, 395, 400, 403, 410, 415, 417,
425, 432, 440, 444, 448, 464, 469, 472, 495, 513, 518, 534
<223> n = A,T,C or G

<400> 252
aaacttcagc tcagtttctt aaccaagaac cacgtcaacc ctccagggtt gtggtttgta 60
tttttgcctt taagcattat ctccctttcca ccaagaagcc tacttaggtt taacacatga 120
aagcagtgtc taaaaattag atcggtccta aattggaatg ggatgtcttc cttgcatgtc 180
ccataccagg gaattttttt aacacacagt gtagagcctt tgccagagat gttgaaaggg 240
agattaaagg cttgagggat gaatttgatc atcattctta aagtccttcc caatcctgtg 300
attctctgat tccctgagct cggttattat tggacatgcc tagnccatta ccangacctn 360
ccngcntatg gtngtttccc tgggataacg gagancatn ccncatgccn ttggngnctc 420
catcntatca angaagttgn ttnttgantt ttttccatct aaancctcnt angtttggtt 480
tgagaaaaag atgngngaagt ccttttcatg aanttgcgnag ggcaaaaaaa attntttt 538

<210> 253
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 271, 279, 280, 299, 309, 313, 321
<223> n = A,T,C or G

<400> 253
cctgacttct gctggcatca agaggtggga gggccctcgc accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttctgtct tgagttccca gatggctgga 120
aggggtccag cctcgttgga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgcccattg agactctagg gtccagtgga tgccacatgc ccagcttggc cctttccttc 240
cagatcctgg gtactgaaag ccttagggaa nctgggtctnn gaggggaagc gggcctaang 300
gattgtttna tancaaaacc naccattca ga 332

<210> 254
<211> 343

```

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 299, 334, 335, 339
 <223> n = A,T,C or G

<400> 254
 ctgcaggcag tcccggctga gtttgaatgc atccaccctg agaagcagca gaaaaagaaa 60
 agctacaaga actctggaac tatccgtgtc aagatttgtc gggtagaaac agagtactcc 120
 tttctggact atgtgatggg aggctgtcag atcaacttca ctgtgggcgt ggacttcact 180
 ggctccaatg gagacccctc ctcacctgac tccctacact acctgagtc aacaggggtc 240
 aatgagtacc tgatggcact gtggagtgtg ggcagcgtgg ttcaggacta tgacttcana 300
 caagctgttc cctgcatttt ggatttgggg gccnnggtnc ccc 343

<210> 255
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 190, 338, 359, 374, 383, 390, 398
 <223> n = A,T,C or G

<400> 255
 aaaactgcaa gcaccatgcg gttcatacaa tottgttatt actgttaatt tatcaactaa 60
 taaaaactca aaaatgcatc cgccagcag cgccagcaat ttcaaaggg aacttaaaaa 120
 tacactttta ttttgggtatt tttgtcagtg caacttaaat ccttttactg acctgcagaa 180
 aaaaaaagtn ataataaaga aaaacaccca tatcttccct ataactacta tacaactgaa 240
 gaattgaagg ggggggacac caccaagaac tcttctact atctcaaaag cagggaaaga 300
 aacgcaatgc attggtttaa agaacccctc tggaaaantt gcaaaatact tggccatgng 360
 tggggttttg ggtncattct tgnacctagn aagttagngt taag 404

<210> 256
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 310, 311, 331, 335
 <223> n = A,T,C or G

<400> 256
 ccagtggctg gagcggcagg gttccacaaa cttctccaag aggtccacaa acaggtctct 60
 gacatcttta ttgtgggtca gcttggcggc caggttcacc agccccggg acaggttctt 120
 gaagttggct tccatctcag agaagacgcc cagctttccc cggagagcag tgcacaccag 180
 gctcttgtgc aggtccagaa ggtccttgtc agccactagc accttgagct ccttcaagtc 240
 ctggagaaat tccttgtcta agtccatgtc catgtcatcc atctgtgagt cgacggctcc 300
 aaaggtccan ntttggatca tgagctcaac ngcanaaag 339

<210> 257

<211> 553
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 345, 352, 355, 359, 364, 399, 415, 430, 435, 457, 478, 487,
 497, 507, 523, 533, 548
 <223> n = A,T,C or G

<400> 257
 aagagagaag attatTTTtgg aatcacaaat cttgttgaac atccagccca gctcaatcct 60
 ccagttgaca atgacacacc agttactctg ggagtatatc ttaccaagaa ggaacagaaa 120
 aaacttcgga gacaaacaag gaggggaagca cagaaggaac tacaagaaaa agtcaggctg 180
 ggcttgatgc ctctccaga acccaaagtg agaatttcta atttgatgcg agtattagga 240
 acagaagctg ttcaagagcc cacaaggtga gaagcccacg tcagagctca gatggcaaaa 300
 agacagaaag cgcataaga agccaaccgc ctgcccgaag actcncagcc gnacnagang 360
 aaanggccaa gaaaatttaa aaagggttaa agaaaaacnt ttccccaggg gggtncccat 420
 ttcttgtttn ttaanagtgc cgaaattttg aagcaanccc agcccaaaaa gttcaanaaa 480
 ttggaanccc attgctnggg caacttntcc ctgacaaggg ggnggggggt acntgcccc 540
 gggatgtnc 553

<210> 258
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 355, 358, 360, 366, 373, 376, 387, 389, 400, 404, 407
 <223> n = A,T,C or G

<400> 258
 aaaaaatgca ctgagtttgg gttaaaaacc aaccaccaa atggatttca acacagctct 60
 aaagccaagg gcgtggccgg ctctcccaac acagcgactc ctggaggcca ggtgcccattg 120
 ggcttacatc cctctcagc actgaacagt gagttgattt ttctttttac aataaaaaaa 180
 gctgagtaat attgcatagg agtaccagaa actgoccat tggaaacaaa aactatttac 240
 attaaataaa aagcctggcc gcaggtgcg tctgccacat ttacagcacg gtgcgatgca 300
 caccgtgacc aaaccacgga agcagcttct ggcacttaca cccacgaact gccnngnnc 360
 ggccgntcaa aangcnaaat ttccacnnc tggccgggcn gttnttngtg ggatccaacc 420
 tcggtcccaa gcttgggcgt aatta 445

<210> 259
 <211> 348
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 306, 310, 318, 330, 333, 343
 <223> n = A,T,C or G

<400> 259
 aaaccgcgcg gactttctgt aagaagtgtg gcaagcacca accccataaa gtgacacagt 60

```

acaagaaggc caaggattct ctgtacgccc agggaaagcg gcgttatgac aggaagcaga 120
gtggctatgg tgggcaaaact aagccgattt tccggaaaaa ggctaaaact acaaagaaga 180
ttgtgctaag gcttgagtg cgttgagccca actgcagatc taagagaatg ctggctatta 240
aaagatgcaa gcattttgaa ctgggaggag ataagaagag aaagggccaa gtgatccagt 300
tctaantgtn atcttttntt attgaagacn atnaaatctt ganttttt 348

```

```

<210> 260
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 335, 337, 346, 372, 375
<223> n = A,T,C or G

```

```

<400> 260
ctgcaagcca ttcgaataat tcaagagaga aatgggtgtat tacctgactg ctttaaccgat 60
ggctctgatg tggtcagtga ccttgaacac gaagagatga aaatcctgag ggaagttctt 120
agaaaaatcaa aagaggaata tgaccaggaa gaagaaagga agaggaaaaa acagttatca 180
gaggctaaaa cagaagagcc cacagtgcac tccagtgaag ctgcaataat gaataattcc 240
caaggggatg gtgaacattt tgcacaccca ccttcagaag ttaaaatgca ttttgctaag 300
cagtcaatag aacctttggg aaagaaaatg gaaangnctg aaactnctcc cttccccaaa 360
aaggacctcg gncgngacc 379

```

```

<210> 261
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 265, 297, 305, 311
<223> n = A,T,C or G

```

```

<400> 261
ccttgagagc ccagcccttg catcagtgtg gcctggagcg gagacatgga gtcaaaagag 60
attattttgg agctttaaga ttcaatggct gccctgctgg gttttgaact tgcacgtggc 120
ctgtagcctc tttgttttgc ctgatttctc tcttttggaa tgggagtgtt tagccaatgc 180
ctgtgccccct attgtatctt ggaagtaact aacttgtttt tttattttat agactcatgg 240
gcagaaggga cttgccttgt ctcanatgag actttggact gtgggacttt tgagtttaca 300
ctganatgag ntaaaatttt tggggacttg ttga 334

```

```

<210> 262
<211> 376
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 104, 186, 194, 219, 224, 231, 239, 260, 267, 275, 296, 303,
312, 323, 326, 330, 336, 344, 349, 353, 355, 363, 367
<223> n = A,T,C or G

```

```

<400> 262
catttttaag gcttatctaa ttaactgtgt ttggaactgc tataaatata tcaacaaccg 60
aaacgtgccg gagattgctg tgtaccctgc ctttgaagca cctnctcagt acgttttgcc 120
aacctatgaa atggccgtga aaatgcctga aaaagaacca ccacctcctt acttacctgc 180
ctgaanaaat gctncctttg acaataaata ctataccanc tttntgtttg ngatgctna 240
cagaatgctg caattcacgn gctcttnaaa cttgngtgat ataaaatttg gtagcntttc 300
gcntaagcat tncattttcg aancantaan gagggncctt gccntttgnt tancnagctt 360
tgnttttctc ttttgg                                     376

```

```

<210> 263
<211> 333
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 290, 313, 323, 327
<223> n = A,T,C or G

```

```

<400> 263
ctgctatttc caccaataga gagaccagga agaatecttt actgcagtct ccatacagaa 60
atgagaacaa aacgtccatg ttctcataag tcaggggctt attaggatcc tttttcttcc 120
agtttgccaa gacacagtct gcataaacca aaataggagg cagttccagt ttcttgagaa 180
gttggcagta aggaacagca atatttcttg gcaagacctt acggacatct ccattgacct 240
ttgcccaca catatgccat ggtgatgcat ccagaaacta gacgtgcaan gccgctgtga 300
cttgtgtgtc tgnagatga tcnatgntgg agc                                     333

```

```

<210> 264
<211> 347
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 226, 269, 277, 319, 320, 343
<223> n = A,T,C or G

```

```

<400> 264
gaaagagtaa aaccttttat gacagggggt gcagaacaaa tcaagcacat ccttgctaata 60
ttcaaaaact accagttctt tattggtgaa aacatgaatc cagatggcat ggttgctcta 120
ttggactacc gtgaggatgg tgtgacccca tatatgattt tctttaagga tggtttagaa 180
atggaaaaat gttaacaaat gtggcaatta ttttgatct atcactgtc atcataactg 240
gcttctgctt gtcattcaca caacaccang acttaanaca aatgggactg atgtcatctt 300
gagctcttca tttatttttnn ctgtgattta tttggaatgg gangccc                                     347

```

```

<210> 265
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 342, 346, 357, 365, 370, 380, 381, 386, 391, 399, 405
<223> n = A,T,C or G

```

```

<400> 265
tcttggtgaa atccgaaatt tcttggtgga aaaatatatc cgcagggttc ggatgagacc 60
aggtggtgct tgttcagtat ctcaagccca gaaagatgaa ttaatccttg aaggaaatga 120
cattgagctt gtttcaaatt cagcggcttt gattcagcaa gccacaacag ttaaaaacaa 180
ggatatcagg aaatttttgg atggtatcta tgtctctgaa aaaggaactg ttcagcaggc 240
tgatgaataa gatctaagag ttacctggct acagaaagaa gatgccagat gacacttaag 300
acctacttgt gatatttacc tgggcccgcg accaccctta anggcnaaat tccacancac 360
tggcnggccn tttccttggg nggatnccaa nctcggttnc caagnctttg g 411

```

```

<210> 266
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<400> 266
ctggtgctct ggggtctacc tacctgacat ccttccagtc ttatcctttg tttcctatcc 60
aggcccaggc ttgtggctga gaacatccac tttcagtcct atatacctgc ctccaagtgt 120
ggtacagaga acttgggcct gctgggggcg cttagcctta ctctctccac cacctctccc 180
accaaccccc agatgaactg caggtagacg tttcttccct gcttggagcc ccagtttttg 240
catttcattt tcattaaaaat agaaagggtg tttggttttg gttctaagga g 291

```

```

<210> 267
<211> 508
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 368, 404, 408, 434, 441, 495, 497, 500
<223> n = A,T,C or G

```

```

<400> 267
aaaagcaatt actgtactta tgtatcgaac ttatttgtgt agcaactaat tcattctgtga 60
agccatgggt tgctgtggct tcacagtaaa ttttgactta agtctaaagc gtgtgttagc 120
atctcaccgt aacttaatgc ttcgagtgag aagtttgagg aatgctgctt taggcaaaaag 180
agccactgga ggaatgagct ctgctctttt cacctgctct ggactgctct cactttctct 240
accgacagga ccacaggctt aagaactggc tcagcagtc tcttttaggg tctagcgcct 300
gctaccagc ttcctctact tctatcccgg gacagatgaa tgcttttctt aaaaattttt 360
ggaacatntg cttgattcct taccaaatgc cttaaaaaac tggnaagntc agctccgaca 420
tggaacctcg ccgnaacccc nctaaggcga attccaccct ggcggccgtt cctaggggac 480
caactcggtc ccacntngcn aatatggc 508

```

```

<210> 268
<211> 359
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 187, 337, 344, 347, 353
<223> n = A,T,C or G

```

```

<400> 268

```

```

aaagagattt attaaatcat cttatcacia agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacia tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcaccccgga atatttaagt cagtcttcct 180
gaaagtnctc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaaaggaaac tatgtggcaa gtacctctt tcccttccca cccccaatt aaaggcaaac 300
aatggcactt tgctcttgct taacctaat gtcttcnaaa actnttnaaa tgntaaaga 359

```

```

<210> 269
<211> 220
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 186, 190, 196, 201, 203, 209, 211
<223> n = A,T,C or G

```

```

<400> 269
ccagcttcga gaaagagttg agaagttaaa catgctcage attgatcatc tcacagacca 60
caagtcacag cgccttgac gtctagttct gggatgcac accatggcat atgtgtgggg 120
caaaggtcat ggagatgtcc gtaaggtctt gccaaagaa attgctgttc cttactgcc 180
actctncaan aaactngaac ngctcctnt nttgtttat 220

```

```

<210> 270
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 336, 364, 388, 390, 417, 419
<223> n = A,T,C or G

```

```

<400> 270
ggcaggtctg caagccattc gaataattca agagagaaat ggtgtattac ctgactgctt 60
aaccgatggc tctgatgtgg tcagtgcact tgaacacgaa gagatgaaaa tcttgaggg 120
agttcttaga aaatcaaaag aggagtatga ccaggaagaa gaaaggaaga ggaaaaaaca 180
gttatcagag gctaaaacag aagagcccac agtgcattcc agtgaagctg caataatgaa 240
taattcccaa ggggatggtg aacattttgc acacccaccc tcagaagtta aaatgcattt 300
tgctaatacag tcaatagaac ctttggaag aaaagntgga aagggtgga aacttcctcc 360
cttncccca aaaaaggacc ttgggccnnc aaccccccta aagggccaaa tcccancnc 420
acttgccggg c 431

```

```

<210> 271
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 311, 315, 335
<223> n = A,T,C or G

```

```

<400> 271

```



```

ccaaaggaat ctgcagcaac ttcttaaaat actgttaaca tctttgggtt tgctgaggct 60
tgtcagtaac ttacatcaaa tcctcccaa agaagatctg attagataga tatgactaaa 120
cggttttgta gtaataatcc aattttacac attaatgtgc tgttgcaaat ctgcccagg 180
ctacaggtaa tgaaaaataa agcaagtgtg aaatggatag tctgacactt aaaaatttat 240
acaaagtgga agttaaagtt tacatatattg aaaatcacat atacactaaa ttaccattat 300
ctgaattttt ncaanacaaa ttgcaccatg accanctaca aaa 343

```

```

<210> 272
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 223, 318, 325, 332, 333
<223> n = A,T,C or G

```

```

<400> 272
aaattttgta gccattctta tgatgctott gatttggttg ttacacaaat caattttatt 60
aaaaatccaa agataagtct ttaggtatat tttgtaccaa attaaattag aagataaaaa 120
ttgtgctttc atagtgtgta caaaggtaaa taatggagag atttggtaca aaacaacaaa 180
atatatatat attctcatat atatatatat agctgataaa atnacctgag gagtgtaatg 240
tttatttttt tgtgtatatc tttgcaatct attttatata tattgacaaa agagactgtg 300
aaatacttag ccatgcanaa tttgngacca gnnccagagc 340

```

```

<210> 273
<211> 627
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 300, 340, 374, 384, 386, 397, 423, 425, 432, 438, 442, 446,
453, 486, 488, 489, 501, 503, 518, 525, 539, 555, 559, 566,
575, 594, 596, 604, 608, 614, 617, 618
<223> n = A,T,C or G

```

```

<400> 273
aaagcttccc cagcaacgtc agcaagagtt gcaaatcact gctcaacaga acctcttacg 60
aagcaaaaac ataaagaaaa ataagccggg cagagtggct cagcctgta atcccagcac 120
tttggaaggc agaggcgggc ggatcacctg aggttaggag ttcaagacca gcctgggcaa 180
catggtgaaa ccccatctct actaaaaata caaaaattag ccgggtatgg tggcaagtgc 240
ctgtaatatc agctcatggg aggctgaagc acgagaatca cttgaatcag ggaggcagan 300
gttgcaacga accaagatcg tgccactgtc tctagcctan gtgacggagt gagcctccgt 360
ttcaaaaaaa aaanggaaaa cccncaatt ttggggncctt ggggaatagt taaaaattaa 420
aangnccctt cnttgggntt cntactttt ttnccttttg aaccttttga aaccttccca 480
aaaatnanna gtggtttaat ntnttgcctt attctttntt taacngttta agaaaaaanc 540
cttaaattga agggncctng gccgnaaac ccccnttaag ggcgaaattc ccancncctt 600
tgngggngcg gttncntntg ggttccc 627

```

```

<210> 274
<211> 169
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> 151, 158, 160, 162
 <223> n = A,T,C or G

<400> 274
 aaatgactgt gctgccccctt tcacatcaaa gaactactga caacgaaggc cgcgcctgcc 60
 tttcccatct gtctatctat ctggctggca gggaaggaaa gaacttgc atgttggtgaag 120
 gaagaagtgg ggtggaagaa gtgggggtggg ncgtctgngn tntcttgag 169

<210> 275
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 206, 287, 325, 350, 363, 366, 383, 406, 412, 415, 419
 <223> n = A,T,C or G

<400> 275
 aatgtgggct ccaagcagat gcagcagatc cgcattgtccc ttgcgcgggaa ggttggtggtg 60
 ctgatgggca agaacaccat gatgcgcaag gccatccgag ggcacctgga aaacaaccca 120
 gctctggaga aactgctgcc tcatatccgg gggaatgtgg gctttgtgtt caccaaggag 180
 gacctcactg agatcaggga catgtngctg gccaaaggact tcgagaaagc atacaagact 240
 gtcacaaaga aggacgagca ggagcatgag ttttacaagt aaccctnccc ttccctccac 300
 ccacaccact tcagggggct tgggnttttt ttgcaccccc cagcacccctn tatcccaaaa 360
 ccncanttcc cttttttttt ttcccccaag gattgggggtt cttcantaat tngantaana 420
 accgaaatcc 430

<210> 276
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 236
 <223> n = A,T,C or G

<400> 276
 ggcacacga accatcctgc ttcaagggag cctgcggggtc tgactgcagc ttacagctatg 60
 acctggagtt cccgggcttc tctgcggggc accagtctgt atgctccatt ttagataata 120
 aaaattggca tattctggggg tgggcaggat acgggggttca cctgcagatg aacagggcag 180
 gaaaagcttg atggggtgtc ggggggaatct ggttggcctt aaagggaatt tggggncctg 240
 ttctgaatt tggtaggcaa gcatgcatgt aaggcttgaa gtgggttttg 290

<210> 277
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 373, 378, 397, 401, 403, 421, 436, 444, 450, 466, 475, 485, 490, 491, 501, 511, 517, 525, 528, 538

<223> n = A,T,C or G

<400> 277

```
ccaacaaacg tatggtggag tatgaagagg cccaggcata tgcagatgac aacagcttat 60
tgttcatgga gacttcagcc aagacagcta tgaacgtgaa tgatctcttc ctggcaatag 120
ctaagaagtt gccaaagagt gaaccccaga atctgggagg tgcagcaggc cgaagccggg 180
gtgtggatct ccatgaacag tcccagcaga acaagagcca gtgtttagc aactgagggg 240
gtggctagca gcaacaagt atggagctag cacaagagct aagaaataac ctccatccct 300
accctcagc acacagcccc tacggtaacc agcacactga gccctggctt ccaaaggctt 360
gccttcctga cancttcntc atggcacttt tttaacnott nancaccaa acaccaaggc 420
nagacctcgg gcccgnaacc ccncttaan ggcgaaattc ccagcncact tggngggccc 480
gtttnccttan nggggatccc naacttcggg ncccaanctt tggnggtnaa tcattggnca 540
ta
```

<210> 278

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 319, 344, 347, 356, 365, 369, 372

<223> n = A,T,C or G

<400> 278

```
aaaacagaca tttaacatac acaagttata gtagcagtat gggtttctcc tccattggc 60
aattaaatgc ttttatcttc ttctgaaaag atgatgtgga ccaacaggta tcagacttgc 120
caacaaggtc ggtagactct tcccagcata catctgagca tgtcaaaatc tctccttct 180
ataggaaatt tagctgagtt ttcttcattc ccaattttct tcttttcttg tgttgattta 240
gtattctgaa ctccattctc agctgggaaa gctacagatc ctttttagtgc aagataaggt 300
tttatagcca gattcagtn gacaccatga tttaagaaat ctgnttngga ccctgngtct 360
tttgnaaent tntttgtcct ctctgtgctt gaaa
```

<210> 279

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 348, 360, 375, 386, 389, 413, 416, 427, 449, 467, 472, 476

<223> n = A,T,C or G

<400> 279

```
aaagaacctg ttcattttcc ttttttgta aaagtgtctt aagaactaaa agggccgttc 60
cttactggaa taaaattaac tacacatgcc atacatttct gggccaatgt tgctgggtta 120
attccctcag aattagcaat tcatagaaaa ttaattgtta agttatcgca ctttcatgcc 180
aaaagtacaa tttagagttc acaatacaag gctctgtggt ataaagtgc tatgagcagc 240
ttcccatcat acactgaggc tacagaactt ccttgagaga cagaccatt gttggcataa 300
actgtagtca ctgtaggctt ctcatagata atgttctgga tgccgganaa cctctgaccn 360
aaggaagatt gttcnggtca tacacnaana ctttttgga ctgccgggcc ggnccntcaa 420
```

```
aagggcnaat tccacacatt ggggccgtnc tatggatcca actcgggccca anttgncgta 480
actggcatac tgt 493
```

```
<210> 280
<211> 270
<212> DNA
<213> Homo sapiens
```

```
<400> 280
aaaacaaaat tagtggtaaa atagaaaaag gaaatgttta gtacagaaag taccagccac 60
agtacctca taactccatc tccttccccca ggcacacac tttccagcca cttcaatcct 120
aaagcagtga gaccctcatt ttaacacaca gagcctccct gcctaccctc cttccctgta 180
acgtgagcta ctgtagtcca tttattagtt cttcgggtta gcttcagtag acatttggag 240
cacaattcca aaggtaaatc aatctatagg 270
```

```
<210> 281
<211> 150
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 7, 10, 25, 30, 38, 50, 51, 67, 81, 85, 111, 131, 136, 140
<223> n = A,T,C or G
```

```
<400> 281
ggcaggngtn aggtcttcct ctttncctgan actggatntg ttcaaacagn naacgcccac 60
agatgggccca aaggtggtgg nagtnagggt gtgtgggtgt ttttaagggt ntctgtgata 120
ggacccatcc nttcangggg gggggggtgc 150
```

```
<210> 282
<211> 300
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 247, 295
<223> n = A,T,C or G
```

```
<400> 282
ctgtgagcaa aaggagaagt atcagcttct caagggccta gggtttggtg gaagggcaag 60
gcaagggcaa aggggggatac agaacaaggg ggcaagtacc agtgccctgg atggacccat 120
ccattcaggc agggggtgtg ggggtgtccc tgtgcttaga aaccacctag catcatagct 180
gcaacagcac tttattggga tctgagtcta cagttcacat agggaggtga agccgtggga 240
gaagcanggg taaaaaaaaa agggggggggg acttcacccc ctagggacag acctnggccg 300
```

```
<210> 283
<211> 545
<212> DNA
<213> Homo sapiens
```

```
<220>
```

<221> misc_feature
 <222> 470, 526
 <223> n = A,T,C or G

<400> 283
 aaacttcagc tcagtttctt aaccaagaac cacgtcaacc ctccaggggt gtggtttgta 60
 tttttgcctt taagcattat ctccctttcca ccaagaagcc tacttaggtt taacacatga 120
 aagcagtgtc taaaaattag atcggctcta aattggaatg ggatgtcttc cttgcatgtc 180
 ccataccagg gaattttttt aacacacagt gtagagcctt tgccagagat gttgaaaggg 240
 agattaaagg cttgagggat gaatttgatc atcattctta aagtccttcc caatcctgtg 300
 attctctgat tccctgagtc tctgttatta ttggacatgc ctagcccatc accagtgacc 360
 tgcccgcata ttgctggcct cccttgata acggagagcc tatcaccaca tgcctttggt 420
 gtcttccatc atatcaagt agttgctttc tggacttttt ccatctaaan cctgctaggt 480
 ttggttttga gaaaagatgg agaagtttct tttcatgagt ttgtanggca aaaaaaatac 540
 ttttt 545

<210> 284
 <211> 683
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 488, 583, 591, 592, 598, 605, 618, 621, 623, 628, 633, 634,
 648, 661, 662, 670, 672, 674
 <223> n = A,T,C or G

<400> 284
 cctcaccaag tcttggtgtt ttctagctag ctctataaac ttttttcagc ctctgttcat 60
 taccaggttc caaagctgct tctacatttt cagatatattg ttatcagcaa aaaccccacc 120
 tcttggtacc aatttttcagc cttactctgt tttctgatgc atatagcaga atacttgaaa 180
 ctgtataata tataggaatc aaaatgtatt tcttacagtt acaaaggctg ggaagtccaa 240
 ggtggagagg gcacatctgg caaaagtctt cttgctagt gggactctcc actttggcag 300
 aggtggcaca gggaatcaga tggtaggggg gaagaacatg ctagctcagg tctgtttttc 360
 tcttcttata aagccaccag ttctctctcg atgataatcc attaattcat taaccattta 420
 atcatggaag ctcttaattt cctcttaaag gccctacctc tcaaaactgt catattgggg 480
 gattaagntt caacatgagt tttggagggg ctgaacattc aaactatagc ataacacaca 540
 tgctcacctt tgaagatgga agactacaag cctctaaagc agnttcaact nnccttcnga 600
 tctgntgaaa aacaagcnga nanaatgntt ttngagagg gaatcccncc cctccttgga 660
 nnggaccttn gnangcttaa aag 683

<210> 285
 <211> 683
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 452, 604, 605, 626, 642, 661, 681
 <223> n = A,T,C or G

<400> 285
 cgagcacgag ctgtgagggg attcacttgt gtgcggaact cctcggaacc atggcggtccc 60
 tttcccttgc acctgttaac atctttaagg caggagctga tgaagagaga gcagagacag 120

```

ctcgtctgac ttcttttatt ggtgccatcg ccattggaga cttggtaaag agcaccttgg 180
gacccaaagg catggacaaa attcttctaa gcagtggacg agatgcctct cttatggtaa 240
ccaatgatgg tgccactatt ctaaaaaaca ttggtgttga caatccagca gctaaagttt 300
tagttgatat gtcaagggtt caagatgatg aagttggtga tggcactacc tctgttaccg 360
ttttagcagc agaattatta agggaagcag aatctttaat tgcaaaaaag attcatccac 420
agaccatcat agcgggttgg agagaagcca cnaaggctgc aagagaggcg ctgttgagtt 480
ctgcagttga tcatggttcc cgatgaaagt taaattccgt caagattaat gaatattgcg 540
ggcacaacat tatcctcaaa acttcttact catcacaag accactttac aaagtttagct 600
gttnnaacag tctcagactg aaagntctg caacctggag cnattcattt atcaaaaact 660
nggaggaagt ttgcaatcct ntt 683

```

<210> 286

<211> 415

<212> DNA

<213> Homo sapiens

<400> 286

```

aaaatccctc aaaaactggt tattatacaa gtgagttttg agtcacgatg ggcttatcgg 60
taggattttct ggtagcgagc gcgggcacca gggcctccaa acttttttga ctgcgacgca 120
cgagggtcag ctaccagcag ggtccgggtca tactggatga ggatgtcttt gatctccttc 180
ttggaagcct catccacata tttctggtaa taggccacca gggcttttga gatggactga 240
cggatagcat aaatctgggc cacgtgacca ccacccttta cacggacacg gatgtctaca 300
ccagcaaadc gctccttgcc gagaagcaga actggctcca gcagcttgta ctgtagcgtg 360
cgcggtctca tcatctccag gggccgcccg ttcaccttga tgagaccatt gccgc 415

```

<210> 287

<211> 479

<212> DNA

<213> Homo sapiens

<400> 287

```

ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgtggtta tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatattttgt tgggtggcatt 300
aaagaagaca ctgaagaaca tcacctaaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagatt gtcattcaga aataccatac tgtgaatgg 479

```

<210> 288

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 130, 352, 379, 402, 443, 477, 501, 510, 530

<223> n = A,T,C or G

<400> 288

```

nccattgatt taggccactg gcttagagta ctccctcccc tgcatgacac tgattacaaa 60
tacttttcta ttcatacttt ccaattatga gatggactgt ggggtactggg agtgatcact 120
aacaccatan taatgtctaa tattcacagg cagatctgct tggggaagct agttatgtga 180

```

```

aaggcaaata gtagctcaaa aggcaaccat aattctcttt ggtgcaggtc 240
ttgggagcgt gatctagatt acactgcacc attcccaagt taatcccctg aaaacttact 300
ctcaactgga gcaaataaac tttgggtccca aatatccatc ttttcagtag cngctaatta 360
tgctctgttt ccaactgcnt ttcttttcca attgaattaa antgtggcct cgttttttagt 420
catttacctc ggccgcgacc acnctaaggg cgaaattcca gcacactggc gggccgntac 480
ctagtgggat ccccaacctc nggatacccn aggccttggg ccgctaaatn caattggg 538

```

```

<210> 289
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<400> 289
ccactccctg accccatccc acctcccag cagttcccga gggcagggct gaccgcagag 60
ctatcctcta gtctccagac cacattatcg cttttcttct gttttctcca attgctgggt 120
gtttgtgttg ctctcccac acacccccc gaaggacccc cgaaggatta tttggatgaa 180
cagtactcat aaacaggaag cactggctac agttattctg aaaaatccca aacgcaaaag 240
ggaggcaaag ctgtctccac cctgcaggat gacaaaggca atggccgcag agtggttctg 300
gaccccatat gggaaccaga tcagatctct ctgggcttct gttttcctta ctgtaaaggc 360
tggagtgcag tggcacgac tcggetcact gcaatctctc aaccccagga gggttcaagc 420
gatttctctg cctcagcctt cccagaagct ggaactacag gcgcccgcga ccagg 475

```

```

<210> 290
<211> 327
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

```

```

<400> 290
nctgaggttg tcagtacaat gaaaccaaac tggcgggatg gaagcagatt attctgccat 60
ttttccagggt ctttgagttg caggtcaaatt ctggggctga tcaccccaca cttgttttagc 120
ctgcctgtga gggttcacaac aattttccca gctctgtggg catcaatgat ttcaaattcg 180
ccaatgtaac catgcttcat catcacagt agaaaccgga cgatgacttt ggagcaaggc 240
ctaataagca cctggcggtt gcctctcttt tcggcattgt tgatactctt gagagcatct 300
gccaggacat tcatgcgcac cattgtg 327

```

```

<210> 291
<211> 688
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 543, 545, 669, 672, 674
<223> n = A,T,C or G

```

```

<400> 291
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcatacagc tgctgaacag ttcttttttc agagacatag ataccatcca 120
aaaatttctt gatatacctg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180

```

```

ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatcogaa ccctgcggat atatcttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cctttctggt accccaccat ttgtcaaccc 480
ggagcctctt tttttttttt ccaagaaggg ctgagtctac atttgatgtg attgaagtcc 540
ctncnagggg tcctctgggg cccttcacga taactgtgcg tcccttcaga gtaatgtcga 600
cattttctgg aatgtcgaca gtctgattgc tgagaatagt ctttcattct cgcacctgcc 660
ccgggcggnc cnangggcga aattccaa 688

```

```

<210> 292
<211> 213
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 69, 126, 141
<223> n = A,T,C or G

```

```

<400> 292
aaaaataaaa ttataaacia aatacagaaa aatattgaca cctgtgataa caaggaaatg 60
actcttaang gcagtttggt gtcctggggg aaaaaatcat aagtgttata aagaaatatt 120
attgtncaaa ggaggaatgt natatttaag gttcatttac aacgggcatt tggcgtcgac 180
agaaaaagtc tttctatgta tacattcaac att 213

```

```

<210> 293
<211> 720
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 550, 631, 638, 652, 665, 668, 676, 679, 684, 689, 698, 701,
704, 712
<223> n = A,T,C or G

```

```

<400> 293
aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctaccccgga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaagggaaac tatgtggcaa gtaccctctt tcccttccca ccccccatt aaaggcaaac 300
aatggcactt tgcccttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaagtctta aacaaaagac aacatatatt atatcaaaac agtttgaaaga gccctgaatt 480
gcagcattct gtaacataaa caaacaaaaa gctgggtatag gatttattgt caaaggcaga 540
atctcttcan gcaggttaagt aaaggagggt ggggttcttt tttcaggcat tttcacggcc 600
ctttcatagg gttggcaaaa ccgtacttga nggaggtngc tttcaaaggg cnagggggta 660
cccangnaa attctnccng ggcnaaccgnt tttccggngt ngtnntggaat gnttaattcc 720

```

```

<210> 294
<211> 680

```


<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 563, 567, 586, 598, 601, 635, 637
<223> n = A,T,C or G

<400> 294
 aaatgaaggc accaacaaga actactttca gatggtacag aattttcttat ttcttgaaga 60
 ctctgtgggt gaccacttct tcattagtta cctgcagcaa gacaccttcc tgccaaagga 120
 aaaaaaaagt atctgaagaa gtttatcatg tttgtccaaa agaacctaaa caacttcagt 180
 ggtggtctta ggatcaaaga agactcattg gtgtatagag taagccctga gtatcacatt 240
 cctgtaaaagg caataaagcc gggcaatcaa actgatcata tctaaggaat gaatttcaac 300
 agccaacctt caactttctc ttcagggtaa gacactgaac tagaattacc acatttaacc 360
 cacctattta gtactggata cataccaggc ttcataatgc agacaagaca cttcactcaa 420
 gtatgaacta ctatctgaaa atagattcaa ccatttttgc cctaccttct ttcagtctca 480
 tcctgataag catgtacagt tacaaccata aatacaacaa atgtctttta taaaaacccc 540
 tagttcactc aaaatgggtg atncaanaaa tgtgaatcac aaggngtaaa ccatgggnaa 600
 notcatggaa ttatttgaaa cttggcaggc cttancnttt ttacctacc cattttttac 660
 cttcccaaaa cccccccct 680

<210> 295
<211> 666
<212> DNA
<213> Homo sapiens

<400> 295
 ccaggctggt tttgaactcc tgacctcgtg atccaccggc ctcagcctcc caaagtgctg 60
 ggattacagg cgtgagccac cgcgccggc aagaattcaa agttaaaca ggttaccact 120
 ttcacctatt accatcagggt tgcttatttt tgttttatgt tttttatttg tatgcatgtt 180
 tactttatgt ttcagtttac taccocctaa ggcagcaaga gagcaggaag ataagcaaaa 240
 tagagatggt tttgacaact tggcactgag agactatcct aagggaataa tctgaaatc 300
 ataaaaacat tttattcaca aaattgggtc tcacagcatt atttacaata ctgaaaatct 360
 ggaaatagcc taaatttcta acaattgaaa gaaggttaag taaattataa gactacacaa 420
 taaaatatat taccagcaat atatctttgt gaaaatctat aataaccaca cataatactt 480
 agtaaaaaag aacataaatt acatgataaa gaatatgatc agaacaatgc aaaaaattca 540
 ccccccaaaa aaagacaaga tatttatatg caatttcgtg gtaaaatatt catgtatttg 600
 tgctgcattt ctaatttttc cgtaactgac acatcagttt tataattagg aaaaaaatac 660
 ctttta 666

<210> 296
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 423, 432, 480, 556, 566, 572, 578, 589, 590, 593, 614, 618,
 627, 641, 643, 644, 655, 658, 662, 665, 682, 685, 690
<223> n = A,T,C or G

<400> 296
 aaaaaatgaa atgggaagat tgtcaggaaa ttaggatagc tactctagta taatttagaa 60

```

aaactaagca agagattctc cagttgctag tgagtaagca ctctgatttg agaaatgtgt 120
ggggacaatg gagaaaagtt ttcagaaaac tgctatgtag atttctgaat gtgttgattt 180
ttgctgagga attcggtaac aactgaaagg gaaaagtgtc tcagccatct tttgaaaaca 240
agttaaaatt ctggaacttg tatctgtaat acatcctaac tcttgtaaaa gaaaataatt 300
tatcatagct ggtgtccttt cattgaaagt tgtaatactg tctctaagga gggaggaaaa 360
gattattata taattttata actggcaaca tttgagttag tattgacttt gtctaaaaga 420
ggnttgactt cnactgggat aaaaatgtca gtgaattttg ttaaagtagt aaaaatgcan 480
gtgacttagt cggaacataa aattatttgc taataagata atattgcctc ctaccaaata 540
aaccgggatt tttagnaata tctganggat tngttgangg gcggagttnn acngtatttg 600
gcctagaatt tggnaaangt cacttgnatg tcaatatggc ngnncaatgt tgaanggntt 660
cntanaaacg acttttttct gncnccccn c 691

```

<210> 297

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 663, 676, 689, 693

<223> n = A,T,C or G

<400> 297

```

gcattttacgc attcctccag tcttaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa ccttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cactctggag agaaacccta tgaatgtaag 240
gagtgcggga aagccttcag ttcttccagt tcttttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaaccctaa aggtgtccct gttctctctg 360
aagacatgaa aactcactgg ggagaaaccc tatgaatgta aaaatgtgga agcaactttg 420
tatctcaggt cttaatgaac acatatgaat tcacagtgga gaagaccctg catcagggaa 480
tgtggaaatg acttttctga attctcaagc cttaccaaac acatcagaaa tctcctggag 540
agaaactgta tgaatgtaga agaactcttg gaataccttt ctgaatccca caaaccttaa 600
tgggtgtatg tgaacctcac attggagaga aaaccctgca ttttaccctg cccggggcgg 660
gcnctccgaa aagggnccgaa attcccagna cnccttggg 699

```

<210> 298

<211> 691

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 557, 569, 584, 588, 620, 622, 636, 638, 643, 648, 654, 661, 665, 670, 678, 680, 686

<223> n = A,T,C or G

<400> 298

```

ggatgtcatc agcattgaca agacgggaga gaatttccgt ctgatctatg acaccaaggg 60
tcgcttttgc gtacatcgta ttacacctga ggaggccaag tacaagttgt gcaaagttag 120
aaagatcttt gtgggcacaa aaggaatccc tcactctggtg actcatgatg cccgcaccat 180
ccgctacccc gatccctcca tcaagggtgaa tgataccatt cagattgatt tagagactgg 240
caagattact gatttcatca agttcgacac tggtaacctg tgtatggtga ctggagggtg 300
taacctagga agaattggtg tgatcaccaa cagagagagg caccctggat cttttgacgt 360

```

```

ggttcacgtg aaagatgcca atggcaacag ctttgccact cgaatttcca acatttttgt 420
tattggcaag ggcaacaaac catggatttc ttttccccga ggaaagggta tccgcctcac 480
cattgctgaa gagagagaca aaagactggc ggccaaacag agcagtgggt gaaatgggtc 540
cctgggtgac atgtcanatc tttgtacgna attaaaaata ttgnggcngg gattaataac 600
acaaaaaaaa aaaaaaaaaa ctttccccgg ggggngc nttt nnaaaang gggncaaaat 660
ntttcccccn ccaccccn cn ttggngggg g 691

```

```

<210> 299
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 349, 354, 360
<223> n = A,T,C or G

```

```

<400> 299
aaatctcatt tggttacctt gaggcctgga acatgcagta actgtcatgc tatagacatc 60
atctgtatct ggctgggaat acaaatgaag attgtgggtg attcaagcag taggggtttt 120
gcttttgttt ttgttttagt gccaaacaaa cttttttttg tctgactaca ttaaagataa 180
gactgactat atttatacaa cagaaacttt gtaatagatt ttttcagctt tgtgaaatcg 240
aatttttttt catcagggct ggttggattt cttttttacc ctgtaatcca agcgttaata 300
gtttgttaga agatgggtta ttgcatgtca cttttttttt ttgtaaaana aaancttccn 360
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa a 391

```

```

<210> 300
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<400> 300
ctgcccagg gcggttcgta cgggaatgcc gaagcgtggg aaaaaggagg cgggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagaggcccc agccctgtat gaggaccccc cagatcagaa 180
aacctcacc agtggcaaac ctgccacact caagatctgc ttttgggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggttaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaa atgtcagagaa caaactacca g 341

```

```

<210> 301
<211> 687
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 586, 626, 664, 669
<223> n = A,T,C or G

```

```

<400> 301
nnaaagggtcc aaaagcctgc caaccctgg gaattctaca ttgggaccca gttgatggaa 60
agactaaagc catctatgca gcacatgttt atgaagtctt attctgccca cttattccag 120
aatggcagtg tattagtagg agagctctac agctatggaa cattattaaa tgccattaac 180
ctctataaaa ataccctga aaaagtgatg cctcaaggtc ttgtcatctc ttttgctatg 240

```

```

agaatgcttt acatgattga gcaagtgcac gactgtgaaa tcattcatgg agacattaaa 300
ccagacaatt tcatacttgg aaacggattt ttggaacagg atgatgaaga tgatttatct 360
gctggccttg cactgattga cctgggtcag agtatagata tgaaactttt tccaaaagga 420
actatattca cagcaaagtg tgaacatctt gggtttcagt gtgttgagat gctcagcaac 480
aaaccatgga actaccagat cgattacttt ggggttgctg caacagtata ttgcatgctc 540
tttggcctta catgaaaagt gaaaaaatga aggaggagaa tgtaancctg aagggtcttt 600
ttagaaggct tcctcatttg gatatngtgg aatgaatttt ttcattgttat gttgaatatt 660
ccanaatgnc atcatcttcc atctttg 687

```

```

<210> 302
<211> 691
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 464, 490, 518, 548, 566, 577, 611, 612, 640, 647, 660, 671,
675
<223> n = A,T,C or G

```

```

<400> 302
ggcgccctctg cgcgcgggaa gatggcggaa caggctacca agtccgtgct gtttgtgtgt 60
ctgggtaaca tttgtcgatc acccattgca gaagcagttt tcaggaaact tgtaaccgat 120
caaaacatct cagagaattg ggtcattgac agcgtgctg tttctgactg gaacgtgggc 180
cggtcctccag acccaagagc tgtgagctgc ctaagaaatc atggcattca cacagcccat 240
aaagcaagac agattaccaa agaagatttt gccacatttg attatatact atgtatggat 300
gaaagcaatc tgagagattt gaatagaaaa agtaatcaag ttaaaacctg caaagctaaa 360
attgaactac ttgggagcta tgatccacaa aaacaactta ttattgaaga tccctattat 420
gggaatgact ctgactttga gacggtgtac cagcagtgtg tcangtgctg cagagcgttc 480
ttggagaagn ccactgaggc aggttcgtgc cctgctgngg gcagcctgac tagaccccc 540
ctgagggnct gcattttctc atcggngtgt aatcacnttc caagggccaa agcccagctc 600
ttttgttcaa nntgacttac tgtttcttac cttaaaaagn aattgtngat ggaaatcaan 660
tgtgtttggc nggngnaaat taataaaaat t 691

```

```

<210> 303
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 363
<223> n = A,T,C or G

```

```

<400> 303
aaatctcatt tggttacctt gagtccctgga acatgcagta actgtcatgc tatagacatc 60
atctgtatctt ggctgggaat acaaatgaag attgtggtgt attcaagcag taggggtttt 120
gcttttgttt ttgttttagt gccacaacaa cttttttttg tctgactaca ttaaagataa 180
gactgactat atttatacaa cagaaacttt gtaatagatt ttttcagctt tgtgaaatcg 240
aatttttttt catcagggtt ggttgattt cctttttacc ctgtaatcca agcgttaata 300
gtttgttaga agatgggtta ttgcattgtc cttttttttt gtaaaataaa aacatacctt 360
ttnaaaaaaa aaaaaaaaaa aaaaa 385

```

```

<210> 304

```

<211> 632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 169, 200, 529, 573, 574, 588, 627
 <223> n = A,T,C or G

<400> 304
 ccaagtcaaa attgggcccc gcgtctttct ttctgtctta tgacagacca gcctccagcc 60
 ttggtgtggt atctacatgt agccctgcgt accctgcttc ttttttagcat tcaaggccca 120
 ctgaggccct caaattagcc aatggtgaat atggatatag gacttttana gggatgcagg 180
 ttgagttgta cataacttan aggtgaagtg cagggtccgaa acagggctag acttttgaga 240
 actgtaaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaaactt 300
 accttcttct gcaggctact tctggaaatc cctaggactt accagcttct tgaacactgc 360
 gcatcatggg aggggtgaaga ggaaaagggg ctagttaaaa tcttgcttct actgtgggcc 420
 gaactcagga ggagccctaa agctaagccc ttgggcttga cagctctact tttcacctct 480
 aactaccact gtgccaatga gtgccgagtg ccaagatcag acctcgggnc ggcacccctt 540
 aagggcgaat tccagcacac ttggcgcccg ttnttagtgg atcccaanct cgggtaccca 600
 agctttgggc cgtaaaatca atggggncat ta 632

<210> 305
 <211> 696
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 562, 596, 617, 644, 650, 665, 672, 684, 689, 693, 695
 <223> n = A,T,C or G

<400> 305
 aaaactgact aggtcaaaaa tagttacgcc tgcaggttga cctattcaga ctttgccaaa 60
 ctctccaag ttcaatataa attgacgttt tcagagtaca aagtcaattt tacggaaacg 120
 ctgttctctc ttttccatgg agccaatctg ggtaattttt tcattaaaaat tcttcttctg 180
 cctgtttgct ggggaactct ttgagctgct gtagecgcct gatagtttca gaaatgggtgc 240
 gttccccgtg gaccttattg tctcttgtgc ggatattaac agtgccactg attttctctt 300
 tttcaccaac aactaaaatg aagttatact gtgctaactg tgcatttcga atctttttat 360
 tcaatgtaca gcctggatcc agatcaatgt ctgccatgaa tttggcatcg tggaattggt 420
 gtcgtacctt ttgggcatat tcatcacagg ttgggtccac tggaactacc attacctggc 480
 gaggggacag ccaaaagggc catttgcccc catagttttc tgtgaggata gcaatcatte 540
 tttccactga tcccaagatg gntcgatgaa caatcactgg ccttttctta tcatnccat 600
 catggcttac ataagtnaga ataaatctga tgggcaactg gganatccan aacctcgggg 660
 ccgcnacccc cnettaaggg gccnaattnc agncnc 696

<210> 306
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 377, 401, 405, 412, 413, 419, 426

<223> n = A,T,C or G

<400> 306

```
ctggaggatg catttctgac cccatcccag acacgtgaaa gcagaagaca tgatgcatct 60
ataataatga aagcacaatc taaagagtat tatcacaccg tgaacagctt ctctctgacc 120
cagagcaa attaagagaa agacaatata ttacaaaaca agatttaata atgctcacia 180
gaatagagtt tgcccccaaa tggaaaatta cacattatct tgtttcaaaa agttataaat 240
ttagtgcttg aaaaatccag caggtaagta gaaggactaa cagggtctgt ttctggaact 300
gtccgccagc aaatgagcat gctctgtcct ggaagccatt tttctttttt tttttttttt 360
tttttttttt ttttttnaaa aaaaaaattt tttttttttt ncccnngggg gnnaaaaang 420
gggaantttt 430
```

<210> 307

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 535, 552, 558, 607, 624, 629, 638, 668, 679, 680, 683, 691

<223> n = A,T,C or G

<400> 307

```
ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60
aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctctttttat ttcttttgat 120
tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180
ccaatgtcaa gaagggtggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
acatgccctg aggccagcag ggcgccagct caggcagcac acgccttcac ttaaaaaggc 300
cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
gttttaagtt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaat 420
aatgttcatt acacttaaga atactggcct gaattttatt agcttcatta taaatcactg 480
agctgatatt tactcttcct ttttaagttt ctaagtacgt ctgtagcatg atggnataga 540
ttttcttggt tnagtgcntt gggacagatt tatattatgt caattgatca gggttaaaaat 600
tttcagngtg tagttggcag gatnttttnc caaaattnc atgcatttat ggggggtcttg 660
ggggggcngg gggaacatnn ggnaaagggt naa 693
```

<210> 308

<211> 295

<212> DNA

<213> Homo sapiens

<400> 308

```
ctgagtatgt cccagagaag gtgaagaaag cggaaaagaa attagaagag aatccatatt 60
accttgatgc ttggagcatt ctcatcgag aggcacagaa tcaacctata gacaaagcac 120
ggaagactta tgaaogcctt gttgcccagt tccccagttc tggcagattc tggaaactgt 180
acattgaagc agagggttact attttatctt attttttctt atatcagtat tgcagcattc 240
actgtagtga tagaaaacaa gtttaggaaca tagccaatta ggacaaggag gattt 295
```

<210> 309

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 21, 29, 31
 <223> n = A,T,C or G

<400> 309
 gcaggtaaaa tgttcattgtc naaaattant naactatagg aatagctcta tgagaaca 58

<210> 310
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 310
 nctgcaagcc attcgaataa ttcaagagag aaatggtgta ttacctgact gcttaaccga 60
 tggctctgat gtggtcagtg accttgaaca cgaagagatg aaaatcctga ggggaagttct 120
 tagaaaatca aaagaggaat atgaccagga agaagaaagg aagaggaaaa aacagttatc 180
 agaggctaaa acagaagagc ccacagtgcg ttccagtga gctgcaataa tgaataattc 240
 ccaaggggat ggtgaacatt ttgcacaccc accctcagaa gttaaaatgc attttgctaa 300
 tcagtcaata gaacctttgg gaagaaaagt ggaaaggctc gaaacttctt cctcccaca 360
 aaaagg 366

<210> 311
 <211> 635
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 452, 562, 565, 566, 576, 579, 597, 607, 627, 629
 <223> n = A,T,C or G

<400> 311
 nnaaaaaactg actaggtcaa aaatagttac gcctgcaggt tgacctattc agactttgcc 60
 aaactcctcc aagttcaata taaattgacg ttttcagagt acaaagtcaa ttttacggaa 120
 acgctgttcc tcctttttcca tggagccaat ctgggtaatt ttttcattaa aattcttctt 180
 ctgcctgttt gctgcggaac tctttgagct gctgtagccg ctcgatagtt tcagaaatgg 240
 tgcgtttccc gtggacctta ttgtctcttg tgcggatatt aacagtgccg ctgattttct 300
 ctttttcacc aacaactaaa atgaagtatt actgtgctaa ctgtgcattt cgaatctttt 360
 tattcaatgt acagcctgga tccagatcaa tgtctgccat gaatttggca tcgtgggaatt 420
 gttgtcgtac cttttgggca tattcatcac angttggtcc cactgggaac taccattacc 480
 tggcgagggg acagccaaaa gggccatttg ccccatagat tttctgtgag gatagcaatc 540
 attctttccc tgatcccaag anggnntcga tgaacnatna ctggcccttt tcttatnacc 600
 cccatentgg ctttacataa agtaaanant aaatc 635

<210> 312
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 361, 392, 420, 426
 <223> n = A,T,C or G

<400> 312
 aaaaatatat aatgttttat tgtcaaaaat agacaaactt taatttcctt taacaggaat 60
 attaatttaa cagccttcca taagccatca ccattttgta agcataacag gcaagagagt 120
 caaagataac tgtagtgagg aaaaggacaa cagttctaca tccatgcccc agaagccttg 180
 cccagtcagt ggtgacaact ccaggacagc ggcagaaaca cagtgaacct ttggagctta 240
 acaatagcca tgcaaaacaa catagattta tcttggtccc attctataaa gattggcttt 300
 gtagtatctt tccaagcatt tgaagagttt agtttggtag aacactgcta atttgaccag 360
 ngacattttt aggtcactta tagtatcagt anccagggat cccccccctg gtttttttan 420
 gggtanccac ccccggggat ggaaaa 446

<210> 313
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 189, 207, 243, 253, 256, 261
 <223> n = A,T,C or G

<400> 313
 nnctgtgatg ggcttctctg gctttggttc caccaagaag agttactgag gctttctgtg 60
 cttggcctga ctttggccta tgctggacct aactttgctg gtgtgtgtgt gtagtagggg 120
 gtcatttctt tttgggtaat gggaaagtgc ttaagagtgt caatggggag ggatagaggg 180
 tgggggctna tggtttccct ctacttnggg agagggcaca gattgcagag gtaatgctgt 240
 ggnatattgc ttntgntcna ntgtatcact ggagtcacag gaccctgccc 290

<210> 314
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 275, 277, 403, 409, 412, 439, 440, 469, 475
 <223> n = A,T,C or G

<400> 314
 nngttttaca aggacaccta caacaagctg aaaaccaagg atgagcccca gcgggaaacg 60
 ctgaaagcca tccactatgc gttgaactgc tgtggtttgg ctgggggctg ggaacagttt 120
 atctcagaca tctgccccaa gaaggacgta ctcgaaacct tcaccgtgaa gtctgtctct 180
 gatgccatca aagaggtctt cgacaataaa ttccacatca tcgggcgcagt gggcatcggc 240
 attgccgtgg tcatgatatt tggcatgac ttcantntga tcttgtgctg tgctatccgc 300
 aggaaccgcg agatggtcta ggtcagctt acatccctga gcaggaaagt ttacccatga 360
 agattggtgg gattttttgt ttgtttgttt tgttttgttt gtngtttgnt gntgggtatt 420
 ttgccactaa ttttagtann cattctgctt tgctagataa aagctgaant gaccnagggt 480
 t 481

<210> 315

<211> 646
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 416, 429, 433, 434, 440, 446, 472, 490, 492, 493, 544, 568,
 576, 582, 584, 593, 606, 608, 609, 626, 637, 638, 639
 <223> n = A,T,C or G

<400> 315
 ccttattgaa gatgaatgga tcaccattga taaatttacc agatttactg atgttccttt 60
 agctgcggga ttctcagtgg acctttctca aactcaactt agtaaaactaa aaccaggtga 120
 ctggtctcag caagacatag gtactaatth gggtgaagca gataaccaag cagagtggac 180
 cgatgttcag aagaagatta tcccatggaa cagtcgtgtt tccgacttag acctggagct 240
 cctggttcag gatcgtgctg ccagacttgg aaagtcaatt agtagactca tcgttgtggc 300
 ctcgctcatc gacaaaccga ccaatttagg aggactgtgc aggacctgtg aggtatttgg 360
 ggcttcagtg ctggttgttg gcagccttca gtgtatcagc gacaaacagt ttcagnacct 420
 cagtgtctnt gcnaaacagn ggcttctctt agtggaggta aaaccacctc anctaattga 480
 ttatctgcan cnaagaaaa cagaagggtg taccctcctt tggaattgga acaaaactgcc 540
 aaangtttag acctaacca atattgcntt cctganaaat tntntgctct tgnccggaaa 600
 tgaacntnng ggaattgccg caatgngacc caccagnnng ggcctt 646

<210> 316
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 10, 20
 <223> n = A,T,C or G

<400> 316
 ctncaagggn cctggtttgn atctaagcaa acaccagat ggggttctct ggtctcagca 60
 aggcttttcc tgttggagt cacagtaaac agaaacccaa aaatctcatc ttgggtgttt 120
 tcagggttg ttttgagttt tgctgaatag ggagcgcaag acgccctgag cctccctctc 180
 actggtggtg ataagaggag ccgtctggtg tgtcagggtc acgaaccctg tacatttcag 240
 gacgatcctt ttcccttcag cagcatttct tactggctgt ggctggaatc tgccttttat 300
 cacagacctg ccc 313

<210> 317
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 504, 509, 515, 520
 <223> n = A,T,C or G

<400> 317
 ccacgtccat cggagtgtcc ttctcggtgg ggcacggggg gcctgaggct gagaaggacg 60
 caggggagcc cgagaacacc tatattctgc ggctgtttt ccagcagagg ttcaggccct 120

```

ctgtgggttaa agactgtatc catgctgtgc tcaaggagga actggcaaat gctgaatatt 180
ctccagaaga aatgcctcag cttacaaaac atttatcaga aaacattaaa gataaattaa 240
aagaaatggg atttgaccga tacaaaatgg tgggtgcaagt agtgattgga gaacaaagag 300
gtgaaggagt attcatggct tctcgtctgt tctgggatgc tgacactgac aactatactc 360
atgatgtttt catgaatgac agttttattct gcgttgtagc agccatttgg ctgtttctac 420
tactgaatga atctttgaaa agctggtaaa agacatgacc atgaagaaat ctcaactttt 480
taatatattgt taaatatctt gacnaaatna agatnttagn tagttccg 528

```

```

<210> 318
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 216
<223> n = A,T,C or G

```

```

<400> 318
nnaaataaat tcacacaaag aaagagaaat agaaagcgac ggtagtgacc agcaagagga 60
ataataatta cattcatctt aatgtgtgtg tgccagttct gtttacatta acattggaaa 120
actccagacc tggaatccag aacctcaaat ctgtgagtgg aatgtcttga gatgggcacg 180
tggaagtcaa agggtttctc tttttttttt ttcccntttt aaaa 224

```

```

<210> 319
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 266, 273, 276, 278, 302, 309, 319, 335, 338, 364, 372, 375,
387
<223> n = A,T,C or G

```

```

<400> 319
aaataataca gaacaattaa agctaaccac gtgcaacaga taaataagcc tgccagttat 60
acacataact ttataccaac cataattcag ccagtcaaaa ttccaaaaac aatccaaata 120
acttccaaca tactagcggc caaactaccg aataaacttg atgcagacca gtattcccaa 180
gttgcaatag tatccaatga ctttgctgaa atgcataaaa tggacaagcc taggtatctg 240
cgcaaccagc aggttttttt ttttgnocaa ggntananaa tgcctggtaa aagcttgacc 300
anaaaactnt caaaagtanc tgttctgcct tactnttntt aaaatactta aaatttgaat 360
aaanaaccta cnggntatgt aacattntaa ggt 393

```

```

<210> 320
<211> 369
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

```

```

<400> 320
naaaaaattat tatcaaacat gcacatgctt gtacacacac acacacacac acacaaaacag 60
gggcattttgt aaaggtgtcc ctggaatgta agattttataa tgtttaaggc aaggtgaagg 120
cattgccaaag tgtgtgtcgc tcataagact agtgtatatt cactgaaagt taacctgatg 180
atttgttatt gtttgaacca tatgctgatt tgcttctggt ttctgttttag tgtgttctct 240
ctgataaggg gctgaaagat tctgcatcac acatcctctg agacctacca tgtcgcacac 300
tttgttaatg acaaacttca ctctacacta tacagtacct tgttgatata ttcagtaaag 360
tcttattttt                                     369

```

```

<210> 321
<211> 618
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 394, 481, 488, 499, 507, 518, 524, 533, 550, 557, 560, 564,
569, 574, 575, 586, 587, 604, 605, 607
<223> n = A,T,C or G

```

```

<400> 321
aaaagatgta gataaaattt tattaataac agaagactta aaaaacattg gaaatacttt 60
tttcaaattc cagaactggg agatggctat taaaaaatat gcagaagttt taagatacgt 120
ggacagttca aaggctgtta ttgagacagc agatagagcc aagctgcaac ctatagcttt 180
aagctgtgta ctgaatattg gtgcttgtaa actgaagatg tcaaattggc agggagcaat 240
tgacagttgt ttagaggctc ttgaaataga cccatcaaat accaaagcat tgtaccgcag 300
agctcaagga tggcaaggat taaaagaata tgatcaagca ttggctgata ttaagaaaagc 360
tcaggggata gcaccagaag ataaagctat ccangcagaa ttgctgaaag tcaacaaaag 420
ataacgccag aaagataaag agaaggcagt atatgcaaaa atgttgctta gaaaggattc 480
ngttgccnta tttgggtgnt tgattgnatt aaattgcnat taanaaaatg gtnaaagggg 540
tttttgggcn tgggggnaan tatngaaanc ccnnnaaaag ggggggnntt cccctttttt 600
tggnnnccacc cccctttt                                     618

```

```

<210> 322
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 408, 415, 422, 438, 444, 449
<223> n = A,T,C or G

```

```

<400> 322
aaaacaaaga tctatcaccc aaacatcgac gaaaaggggc aggtctgtct gccagtaatt 60
agtgccgaaa actggaagcc agcaaccaa accgaccaag taatccagtc cctcatagca 120
ctggtgaatg acccccagcc tgagcacccg cttcgggctg acctagctga agaatactct 180
aaggaccgta aaaaattctg taagaatgct gaagagtta caaagaaata tggggaaaag 240
cgacctgttg actaaaatct gccacgattg gttccagcaa gtgtgagcag agaccccggt 300
cagtcattc agacaccccg caaagcagga ctctgtggaa attgacacgt gccacgcct 360
ggcgttcgct tgtggagtac taacttttct acagtttttc tttattcnaa aaagnggcct 420
tnggggtaac ccctggtnaa aagnaaaang ggatttttaa aaaaaatttt ttaaaggaaa 480
ttgtttttcc ccccg                                     495

```

<210> 323
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 323
 aaataatggt tgtataaaat tgcagcagca agaaacccaa aggagaatag ctctagggga 60
 gggaggtgga tgagtatgca tggggggg 88

<210> 324
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 324
 aaattaccca gtctcaggta tgtcttttatt agcagcatga gaatggacta ataccccagg 60
 acaaggccaa gatgggagtt catgctcctg accagagggg aggtggagat gagcagagag 120
 cactctcctc caaaagagtt gatttctaaa tgaaaggaaa aagcaaacac aaataagaaa 180
 agatttgcag aaatcaatta gaataaaaaat gtcaacagac aataacagtg ttgcatagct 240
 tgaacatttt tatattgatt aaattgtttt tcagtagaat cactgacaga acaggtcaga 300
 atgaaaaaca ttccaaatat acagaaaaaa gattactgct cagttaaggt ctttttccaa 360
 ataacttcac acaaatcctt tggttgctcc aaacagaaatg agagctatga gaatgggtggc 420
 ccagcccggc catcagactc ccaagcattt ggtccccggt ctgagggtcac agaatctttg 480
 cccctttacc gagactgctc tcag 504

<210> 325
 <211> 160
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 42, 45, 84, 125, 126, 144, 148
 <223> n = A,T,C or G

<400> 325
 ataggggaact caatgcataa ctatataatt tgaagattat anaanaaggg aaatagcaaa 60
 tggacacaaa ttacaaatgt gtgntcctgg gacgaacaca tctttgaagg tcatgagttt 120
 gttannttaa catcatatat ttgnaatntt gaaacctgga 160

<210> 326
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 326
 cctgccagtc tctggacggc tacggcgtag ggtggcaggc acaatctccg ggggcagatg 60
 aaggtaatca cggagatact ggataccctc attggtgaagg taccagtaga aatgtctcca 120
 ggcaaactg 129

<210> 327
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 141, 155, 220, 231, 232, 233, 241, 279, 281, 287, 291, 297, 313, 318, 323, 328, 329, 338, 341, 346, 351, 354

<223> n = A,T,C or G

<400> 327

```
ccaggactcg gttcagaggg tcccgcacgtg tgaccgtgtg gagctgagag gctgagaggg 60
agctgctcat ggatcgggtct gtggggctcg aaaggatgtt ggcatcgtcc tcattagagc 120
tcagcagtcg catcaacttc naaggctgca catcntccag ggggaagagg ctgatagacc 180
aaatTTTTtca ttttctttct tgctaggact gtatgcaaan catgaaacta nnnaatgcgc 240
naaaatgaat ctctcttcct atatattaat actaacctnt ntctttnttt nctttanggt 300
gatctttact ttnacagnca tcncaaannc ccttatanca ncttnttcca ntgnatggac 360
cact 364
```

<210> 328

<211> 601

<212> DNA

<213> Homo sapiens

<400> 328

```
tgttgccctgg gctggacgtg gttttgtctg ctgcgcccg cttctcgctt ctcgtttcat 60
tttctgcagc gcgccagcag gatggccac aagcagatct actactcgga caagtacttc 120
gacgaacact acgagtaccg gcatgttatg ttaccagag aactttccaa acaagtacct 180
aaaactcatc tgatgtctga agaggagtgg aggagacttg gtgtccaaca gagtctaggc 240
tggtttcatt acatgattca tgagccagaa ccacatatcc ttctcttttag acgacctctt 300
ccaaaagatc aacaaaaatg aagtttatct ggggatcgtc aaatcttttt caaatttaat 360
gtatatgtgt atataaggta gtattcagtg aatacttgag aaatgtacaa atctttcatc 420
catacctgtg catgagctgt attcttcaca gcaacagagc tcagttaaatt gcaactgcaa 480
gtaggttact gtaagatgtt taagataaaa gttcttccag tcagtttttc tcttaagtgc 540
ctgtttgagt ttactgaaac agtttacttt tgttcaataa aagttttgta tgttggcatt 600
t 601
```

<210> 329

<211> 415

<212> DNA

<213> Homo sapiens

<400> 329

```
ccaccacagta ctttgcctgac agggacatgt tctgtgctgg ccgagtacct gaggaggatc 60
tgaagaggac aatgatggcc tgtggaggct caatccagac cagtgtgaat gctctgtcag 120
cagatgtgct gggtcgatgc caggtgtttg aagagaccca gattggaggc gagaggtaca 180
atTTTTtttac tggctgcccc aaggccaaga catgcacctt cattctcogt ggcgggcgccg 240
agcagtttat ggaggagaca gagcgggtccc tgcattgatgc catcatgac gtcaggaggg 300
ccatcaagaa tgattcagtg gtggctggtg gcggggccat tgagatggaa cttctccaag 360
tacctgcggg gattactcaa ggactattcc agggaaaacaa gcagacctcg ggccg 415
```

<210> 330

<211> 337

<212> DNA

<213> Homo sapiens

<400> 330

```

ggaccttctg cgcccgatga gaagaagaag gggcccaaag tcaccgtcaa ggtgtatatt 60
gacctacgaa ttggagatga agatgtaggc cgggtgatct ttggtctctt cggaaagact 120
gttccaaaaa cagtggataa ttttgtggcc ttagctacag gagagaaagg atttggctac 180
aaaaacagca aattccatcg tgtaatcaag gacttcatga tccagggcgg agacttcacc 240
aggggagatg gcacaggagg aaagagcatc tacggtgagc gcttccccga tgagaacttc 300
aaactgaagc actacgggcc tggctgggtg agcatgg 337

```

```

<210> 331
<211> 352
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 341, 343
<223> n = A,T,C or G

```

```

<400> 331
naaataatcc aggcaggaga agagaggagg gcacacttgg aactcccctc cccacaatac 60
gtgattatatt acatttttagt aattggacaa tcccggtcca ggaggagggt gcaagaatct 120
gcaaaaagttg gagggagcgc cccaggagaa caaacagcaa gccttatttc ccctagccca 180
tcccccaaaa aaccatccat cccatccatg tgtctgggtg tgcctgggtg tgtccatctt 240
ccattccttc ccaaattatg gaagtaaggt tcttctcacc agaataagag cacttgggat 300
aacagagtag ggtcccctca cccaaaaaaa aaaaaaaaaa ncnttggggg aa 352

```

```

<210> 332
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2
<223> n = A,T,C or G

```

```

<400> 332
nngtgacatt ggcccctaga cctctcttat agccatgaga ctcttctgtg cctcaagaaa 60
tttagacgcc cacgacagca ctacacagca tctccagggt atgcccagg cacagggtct 120
cagaaaataa acctccagat tccaccaaca cgggtccatt ctctctgtgt atggcagagg 180
ggcttctttt agctagtgtg atcttttggg agtctgtctt tcttagccg tctgagttag 240
ctgtgtatga acaagtccca ggagttccaa gagtctagag tggtttttgc agcatgggtt 300
gagtgtacaa agcctactgt gcgtgagatc ctctccttcc gtttctgaaa tctcttactc 360
aggttaagg 368

```

```

<210> 333
<211> 132
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 58, 68, 118, 124, 127
<223> n = A,T,C or G

```

```

<400> 333
ggggcgggaa gtggcaggaa atggcgaaag cctcaggaat gtttccacca gggaaggntg 60
ggcaaacngg gccaggagga atgccagac aagaactctg gttaggggga ggggaatnac 120
acancanaac ca 132

```

```

<210> 334
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 135, 371, 384, 393, 394, 400, 403
<223> n = A,T,C or G

```

```

<400> 334
ctggatgagg aggagaggat gagaatggca gaaggaggag ttactagtga agattatcgc 60
acgtttttac agcagccttc tggaaatatg gatgacagtg gttttttctc tattcagggt 120
ataagcaatg ccttnaaagt ttggggttta gaactaatcc tgttcaacag tccagagtat 180
cagaggctca ggatcgatcc tataaatgaa ggatcattta tatgcaatta taaggaaacac 240
tggtttacag ttagaaaatt aggaaaacag cggtttaact tgaattctct cttgacgggt 300
ccagaattaa tatcagatac atatcttgca cttttcttgg ctcaattaca acaggaaggc 360
tattctatat ntgtcgtaa gggngatctg ccnnattgcn aactgacca actcctgc 418

```

```

<210> 335
<211> 644
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 414, 445, 492, 527, 566, 580, 588, 589, 597, 599, 605, 607,
615
<223> n = A,T,C or G

```

```

<400> 335
aaaatatctt ctttctccaa agagtccatt ggcattttct tagagtagag atggggacac 60
attccaggca aggtcacaat ggcattttgt tgccctcaat gctgattttc actgcgtgtg 120
cagatctgct ttttttctt atatctgtga actttctcat ctgtttatcc agtcgactga 180
tacccttctt ggaggtcgcc tgaaactaag agtaaggga aaattaaaga gcaaactact 240
gaaatacgta agtctagtta tgtctttcat cttcttataa ctgagtttagc aaccagaaga 300
gcttctagct ctggaataac cagaatgtgt gttgatgacc tcaagaacaa caaagcaagt 360
atagatgggtg ttagaaacgc gtattaaact ctctcagtga agaataattc tgtngtctgt 420
gctttatttt taattttgct gcagnccaac gaggtctcct agatgggaga aagagggggg 480
gaaactgaga cnatgatcct cccaattccc tcatgggtcca ttacgtntta actgcatgcc 540
gtttcccttt tcgaagaccc aaatngggaa ccctagccgn ttgacannng cacttnncna 600
aaccngnggc ttggncataa aaaaaaagaa atgaaccctt aaaa 644

```

```

<210> 336
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<220>

```

```

<221> misc_feature
<222> 1, 2, 78, 84, 146, 183, 190, 203, 218, 273, 275, 279, 286,
291, 307, 314, 319, 324
<223> n = A,T,C or G

<400> 336
nncctggggg ggatggtata tggccctttc cccaccaggc gctaagggga acacccccctt 60
ccccaggctc tttatttntt taantttatt ttgcacaaat gactctttta tatttaattc 120
gatttcattg cctcccttct taaagncaac aggctcagtt tacaaacctg tgagctactg 180
ttngctgctn cctccttcc cantgaaaagg tacaaagnaa taagcatcat gcctcctccc 240
cttacccttc caacaccctc ctgcctctgg ctnangttnc tcaaancaca natectctct 300
taccctntcc ccangtttna aacncatatc ctcatittcaa acg 343

<210> 337
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 205, 211, 215, 229, 232, 236, 240, 245, 248, 279, 312, 358,
359, 363, 371, 372
<223> n = A,T,C or G

<400> 337
ctgcagctcc cacctccagc ctgcagtatc ctgctgacaa acttctctgtg taccttacca 60
gcaggacacc agattggcac agtcagtcctc ttgttccaaa aattggaaaa tgaccagatt 120
gaaagtttaa ggcagcgtct tggagggggc cagggtgagaa agctaaagga tgtgcctctg 180
ctccacaaca gccacagcat cactnaccta ntttncctaa acagatctna cncatnactn 240
tttcatnttt ttggacctgc cgcttcctca cttacagtnt ttctttctctg tcttaactag 300
aagagacctt cnaacttaaag gtaacctggg taccatatga aaaggctcaa tgaaatttna 360
centgacgga nnatatt 377

<210> 338
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2
<223> n = A,T,C or G

<400> 338
nnccaagagg agcaattttc gtgccatcag caaaaagctg aatttgatcc cactgtgtga 60
cggcgagtat gatctgaaag tgccccgaga catggcttac gtcttcagtg gtgcttatgt 120
gcccctgagc tgccgaatca ttgagcaggt gctagagcgg cgaagctggc agggccttga 180
tgaggtggtg cggctgtctc actgcagtga ctttgcattc acagatatga ctaaggaaga 240
caaggcttcc agtgagtccc tgcgcctcat cttggtggtg ttcttgggtg gttgtacatt 300
ctctgagatc tcagccctcc ggttcctggg cagagagaaa ggctacaggt tcattttcct 360
gacgacagca gtcacaaaca gcgctcgctc tatggaggcc atgagtgagg tgaaagcctg 420
atgtttttcc cggccagtgt tgacatcttc cctgaacaca ttctctcagt agatgcaggc 480
atctggcacc cag 493

```


<210> 339
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 339
 ctggatgaag ttgtgtcaga gaaccagagg cttaaagtcc ctagtccaaa gcgaagagtt 60
 gtctgtgtga tgatagtatt ggcatttata atactgaact atggacctat gagcatgttg 120
 gaacaggatt ccaggagaat gaaccctagt gtgagccctg caaatcaaag gaggcacctt 180
 ctaggatttt ctgctaaaga ggcacaggac acatcagatg gtattatcca gaaaaacagc 240
 tacagatatg atcattctgt ttcaaatgac aaagccctga tgggtgctaac tgaagaacca 300
 ttgctttaca ttctccacc tccttgtcag cccctaatta acacaacaga gtctctcagg 360
 ttaaatacatg aacttcgagg atgggttcat agacatgaag tagaaaggac caagtcaaga 420
 agaatgacaa ataatacaaca gaaaaccctg attcttcagg gtgctctgga acaggggtca 480
 aattctcag 489

<210> 340
 <211> 286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 267, 269, 271
 <223> n = A,T,C or G

<400> 340
 ctgaatggtg ctgacggtgg agctcacaga gtcctgcac tctcaagggt tggatacatt 60
 ctgggaaggg tgaactggtg taagagtcac ataatacgtg gaggggtgta ataatacaaa 120
 aaacatagca aaacaccttc tgtgctgag ccagggttga gggagccgag aagaaagtcc 180
 acagctctgc cacacggggc agcagtgtc atgtctgctg gctgatectc cccaaagcct 240
 ctctgcccac cttttttttt ttttttnanc naaacaaaag ggcaaa 286

<210> 341
 <211> 640
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 640
 <223> n = A,T,C or G

<400> 341
 aattgtcggg gttaacaaaa tggattccac tgagccaccc tacagccaga agagatatga 60
 ggaaattggt aaggaagtca gcacttacat taagaaaatt ggctacaacc ccgacacagt 120
 agcatttgtg ccaatttctg gttggaatgg tgacaacatg ctggagccaa gtgctaacat 180
 gccttggttc aagggatgga aagtcaccgc taaggatggc aatgccagtg gaaccacgct 240
 gcttgaggct ctggactgca tctaccacc aactcgtcca actgacaagc ccttgcgcc 300
 gcctctccag gatgtctaca aaattggtgg tattggtact gttcctgttg gccgagtgga 360
 gactggtggt ctcaaaccgc gtatggtggt cacttttgct ccagtcaacg ttacaacgga 420
 agtaaaatct gtcgaaatgc accatgaagc tttgagtga gctcttctg gggacaatgt 480
 gggcttcaat gtcaagaatg tgtctgtcaa ggatgttcgt cgtggcaacg ttgctggtga 540
 cagcaaaaat gaccaccaa tggaagcaga cctgcccggg cggccgctcg aagggcgaat 600

tccagcacac tggcgggcccg tactagtgga tccgagctcn

640

<210> 342

<211> 651

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 109, 131, 308, 584, 622, 644

<223> n = A,T,C or G

<400> 342

```
ccaattaaaa tatatagcaa taacagtatc attaatactg gaacaataaa tgatacaaat 60
taatcctaaa gcatacagaa aaaaacatca tatgaaagtt actttctang ctcagttatt 120
ctaaacttgg ntaaaatatg caacttgaat tctaattgat ccttctcatt tgaactaaag 180
gattattctg cggacacaaa tttgttccta aaatttcaat caaatggggt ctctgcatat 240
cccacaactg cttcctaatt acttcctacc ctccagttac acataatcat aatgtctaaa 300
caacacantt taggattcca aaattataag gccattcaag tttcttcaat ctctaactatg 360
caggatctct atcaaaatgg gagattaatt tttgatatga atatcagatg aaagataatg 420
aaatttgtat aagatcagca ctaatacata taataagatc aacattttta cagaattatt 480
tcttttagatt tagaaagaat acacatttctg aacacttgaa agaggggtac acatggtaag 540
ttatcatctg ccagtatcaa aaatgatgtg ttgaaaacc ctnnggggaaa tgagttaatg 600
aagtcacaca ggacctgccc cngggggggc ccttcgaaaa gggngaaatc t 651
```

<210> 343

<211> 487

<212> DNA

<213> Homo sapiens

<400> 343

```
cctttccatt tttatcttgt atttttccac tcttttggca gacctgcatg ggcaaggacg 60
taacccttca cgtctcagca agcaaccccg ctatgctact gtaccagaag tttggattca 120
agactgaaga atagtatta gatttctatg ataaatatta cccattggag agtacagagt 180
gtaaacacgc attcttctg aggtccggc gctgatgcga atacagctca cagagaaacg 240
catgtgctat tggagaacag gtctttgttg agatctaaag gcagtgattg atttcacagg 300
gagctctaatt ctctgtgatt acatggtoct tcaaaactcc aaccaaaagt agaaaagcgg 360
caggcagtga aatgagcagt gagcagccct ttagcaaaat cgcctccag tccttctctg 420
agatgccttc agccagcatc ccagactcca cagttattta tgaatgatgt cgtgattctc 480
cctccac 487
```

<210> 344

<211> 395

<212> DNA

<213> Homo sapiens

<400> 344

```
gcctgaagtc acatcggtg catcattttc attcaaaagc cctgcagott ccagtttttg 60
atcacctgga ttttcaggac ttccagcttc cttggcaaca ggtcctgtca gagctccagt 120
ggccccagcc tttggaggtg gcagttctgt ggctggtttt ggtagtcggg gctcacattc 180
tcacactgct ttttctaagc catccagtga cacttttggg aatagcagca tatccacttc 240
tctgtcagcc tcaagcagca tcattgcaac agataatgtg ttattcacac ccagagataa 300
actaacagta gaagaactgg aacaatttca atccaagaaa ttactctgg gaaaaattcc 360
attaaagcct ccacctctgg aacttctaaa tgttt 395
```

<210> 345
 <211> 571
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160, 162, 438, 498, 500, 519, 530, 539, 546, 564
 <223> n = A,T,C or G

<400> 345
 aaagatgttt tcttgaatta tttagaacat ggtaagcctg gtatTTTTTTa atcaaacaaa 60
 atatttatga aatgggtttt ctcttaattc tggattcatc atggctttct aataccaatt 120
 gtaatatTTa caatattcac caaaacttag aattttgcan angctggaat tctgccagtg 180
 tttctttgct aagccttgca tgcaaaattt gaaattTTa cattggcacc caaaacctac 240
 atggaatgta tgtctggagt atttcaaact ttacattgaa acataatttc cttggaaaac 300
 aaaccataag cctgaggagg tttttatcaa ctggaatgct ttatatagg tttgtttttc 360
 actgtacatt cctcatttta cattcattta acctgccaat tatttaattt ttttattgta 420
 aagtagtttt tagcattngc ttttattttt ttactttgat gcctttcaaa attgggcatg 480
 tctttacctg cccgggcngn cgctcgaaag ggcgaaattnc cagcacactn gggggccgnt 540
 actagnngga tcccaagctc gggncctaaa c 571

<210> 346
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 15, 21
 <223> n = A,T,C or G

<400> 346
 ggcggcngg caggncatt nacagtatgg tttttctgaa tgacaatott atccacggag 60
 tcatggtcgt caaaggttac aaaggcaaa ccccttttct tgccactgcc tcggtcagtc 120
 atgatttcaa tcaacttcaat ttttcatac tgttcaaaat aatctcttag gtgatgttct 180
 tcagtgtctt ctttaatgcc accaacaat atcttttca cagttaagtg ggcacctggt 240
 ctttgagaat cttctctgga gacagctctc tttggttcca caactcttcc atccaccttg 300
 tgtggccttg cattcatagc tgcattcacc tctccacag tggcatatgt gacaaacca 360
 aagcccttg agcgcttgg gtttgatct ctcattacca cacagtccgt gagcgttccc 420
 cattgctcaa aatggctcct caggctctca tcagttgttt caaagctcaa cctccaatg 480
 aagagcttcc tcag 494

<210> 347
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 347
 aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
 ttagatctta ttcattcagc tgctgaacag ttcctttttc agagacatag ataccatcca 120
 aaaatttcc gatattcttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240

```

ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atatTTTTtca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt ctttctgtt accccaccat ttgtcaaccc 480
ggagcctctt ttttttcttt c 501

```

```

<210> 348
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 348
ctgtagccga gagtcaccag gtccccacag ggtgtcagag aggggtgtgga gctgcttagc 60
actcagcatc actgtctggt taaacacagt ccagatgaca ccctgggcac agggcggtgt 120
agtcagagac cctcatatt ggaggtagcg gctgaagtca gagggcagga gtgtagatat 180
gtccagtcct gggacctgag tctctgagcc ttctcagcg atttcttcca agcgagacag 240
caactgtctc taggcactgt tttcttccgg gccctcctcc agaaaggcgg ccaacacggc 300
cagg 304

```

```

<210> 349
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 458, 494, 500
<223> n = A,T,C or G

```

```

<400> 349
gctatgcac tgaacaagtg ggtctctccc ttgagcacca ggagtgggtg ccagccggcc 60
ccgaggattc ccagcaccac acctatggtc ttgccagcat aggccttgcta gttccttctt 120
ggtcagaggt agctgcagag gggggaggcc aagggttttg tctaagctgt gccctgccac 180
ctggcaggag gccactcac tgcccaagtc atggcaacag gctggagcag cccaggagat 240
gggcctaaaa tgttctggat cccttgggtc ctagtgttat gttccagtct gccacactgt 300
gctcaggatg cagccctggg atccagcacc catggaagct tctgctggga tgggtgtcacc 360
tatgggtttt gaaccagtgt ggtatgggtc ttgggagctc tgetctgagc ttgccacact 420
gctgagagca cccacttgct ctgaccaggg tctcagtnng tectgacccc caatgtgggc 480
aggggcttgg gcangagggn gggggtctgc t 511

```

```

<210> 350
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<400> 350
ctgtaacaag tgaggggtgc aactgaaggt acagcatttg cctgcaggcc aagcgggtctc 60
tggttcaaat ccattgtcct cccacccccc ttcagttttc taattattga acaaaagcct 120
tttcacctcg ggtctattat actggaatct tctgcaagg agagaagaga ggatagacag 180
catagagctt tgccaggag cctctctagt ttctttagg cccagtgaa cttctccagg 240
cgactctgtc cctcatttaa ccttatcct cagagccttg aaatgggccc aattgtccca 300
tagaactgat gtttatggtt tttcttgaat aaacctagaa attgaccctc tcagtcttga 360
aacccaagga gaaatttaca tttatgtcat ctgaattcct ttctcaggaa accagccagc 420
aatcctccca gacgggtatc agaaactgaa atttaccaga tccccacatc tggaaagtga 480

```

gaagccagac ccctcaccca tcatgattcc ccaggtgacc acctgctgcc tgttgg 536

<210> 351

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 214, 216, 312, 345, 351, 358

<223> n = A,T,C or G

<400> 351

```
ncctttatac acatatgtct acacataggg atttgatga tctcgggatc ccacatcctc 60
gctgtccctt gtccccccgc aacatcccc accaatacct ttctgaagtt ttctagtccc 120
tcttttttgt ttgtgctcct taaagcccag ccccatgcct gactttggtt ccagtgagc 180
attgtacatt tgtggatatt aaatctttgg caangncatt tacctgggct ggaatagggc 240
tcttgctga ttctttttcc taaacacca cccaatggga gaggctgata ctcaacatgc 300
aaacctgtg tnttatttct ccaggcgaag ggatgttga agacnttctg naaggggngg 360
ggtg 364
```

<210> 352

<211> 396

<212> DNA

<213> Homo sapiens

<400> 352

```
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaaactc 60
ttagatctta ttcatacagc tgctgaacag ttcttttttc agagacatag ataccatcca 120
aaaatttctt gatatacctt tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttcttg gcttgagata 240
ctgaacaagc aacacctggc tcatccgaa cctgcggat gtatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaa 396
```

<210> 353

<211> 230

<212> DNA

<213> Homo sapiens

<400> 353

```
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cagcctcat tacgattcgc 120
ctgcttgctt ctctgttca atcgtttctt tggaaggcag tggatttttc tcttgctgtc 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg 230
```

<210> 354

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1

<223> n = A,T,C or G

<400> 354

```
naaagcaaat acaaaacaga acagaggatt caaaccgcaa gtatgggaga ttagggccct 60
gcagaggcag accattcctt agtatctcac aaagcagagt aatactggag gcagagtagg 120
gggtggttgg agagcagtta gtacaaagag gcagaacagt gtctggttta cttggcatac 180
acagaatctg cactgccggt tccagaactg caaagttggt gaactacagg agatgtgggt 240
atthagactc caaagtttat actgagctca gtgcctggga ccgctccag 289
```

<210> 355

<211> 647

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 538, 595, 598, 602, 614, 635, 645

<223> n = A,T,C or G

<400> 355

```
naaacatgga taaaagtatt acatgggtcc actgttaaaa cagacaacat gtggcaaatt 60
aattctggta tcatgttttc caacaaagct tagaaaataa aggtgttgag gtggctttgg 120
actaagttta atagtcctct cctctgctga caacttcttt acatgttgga cgcaacagga 180
tggtatgttc aaattgcgct gtatatgata ctttaatgtc acataatggg ggatatggat 240
ctacaatgcc caagtcacac agattcttca gagccatcaa gtatttactt tctcccaagc 300
gatccagcca tctgcggcag aaggcaaggg ttccaaagtt ttcattgatg acatttaaca 360
agtgttttgt tcttggaagc cttattggca catgtccaac atcaaaaattt ttcattgaat 420
gtgaacattc catatcatca tgaacaacac cttttcctgt actaccaaatt gtttcaattg 480
catatacttc tccttcctcc attcttggtg cctcccctcc ttccacaate ggcactgntt 540
ttccagcatg tattctatat tgcccaattg aatgtccatt tagattacgg gattnggntt 600
cncttgatat gtcnttccca tctatttcaa cttcntagga ctcctntt 647
```

<210> 356

<211> 331

<212> DNA

<213> Homo sapiens

<400> 356

```
gcgcgcgctt gtgctgcagc catgtctcta gtgatccctg aaaagttcca gcatattttg 60
cgagtactca acaccaacat cgatgggcgg cggaataatg cctttgccat cactgccatt 120
aaggggtgtg gccgaagata tgctcatgtg gtgttgagga aagcagacat tgacctcacc 180
aagagggcgg gagaactcac tgaggatgag gtggaaactg tgatcaccat tatgcagaat 240
ccacgccagt acaagatccc agactggttc ttgaacagac agaaggatgt aaaggatgga 300
aaatacagcc aggtcctagc caatggtctg g 331
```

<210> 357

<211> 336

<212> DNA

<213> Homo sapiens

<400> 357

```
ggcaggtcca acatgaggaa cagcaagctg aaggacatcc ggaacgcctg gaagcacagc 60
cggatgttct ttggcaaaaa caaggtgatg atggtggcct tgggtcggag cccatctgat 120
gaatacaaag acaacctgca ccaggtcagc aaaaggttga ggggtgaggt ggggtctcctg 180
```

```

ttcaccaacc gcacaaagga ggaggtgaat gagtgggttca cgaaatacac agaaatggac 240
taagcccgag ctggtaacaa agcagctttc actgtgagcc tggatccagg gcccttggag 300
cagttccccc actccatgga gccacagctc aggcag                                     336

```

```

<210> 358
<211> 668
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 574, 631, 650, 656
<223> n = A,T,C or G

```

```

<400> 358
aaagggtccaa aagcctgcc aaccttgga attctacatt gggacccagt tgatggaaag 60
actaaagcca tctatgcagc acatgtttat gaagttctat tctgcccact tattccagaa 120
tggcagtgtg ttagtaggag agctctacag ctatggaaca ttattaaatg ccattaacct 180
ctataaaaaat aacctgaaa aagtgatgcc tcaaggctct gtcactctct ttgctatgag 240
aatgctttac atgattgagc aagtgcacga ctgtgaaatc attcatggag acattaaacc 300
agacaatttc atacttggaa acggattttt ggaacaggat gatgaagatg atttatctgc 360
tggcttggca ctgattgacc tgggtcagag tatagatatg aaactttttc caaaaggaa 420
tatattcaca gcaaagtgtg aaacatctgg ttttcagtgt gttgagatgc tcagcaacaa 480
accatggaac taccagatcg attactttgg gggttgctgc aacagtatat tgcattctct 540
ttggcactta catgaaagtg aaaaaatgaa ggaggagaa tgtaagcctg aagggtcttt 600
ttagaaaggc ttcctcattt tgggatatgg nggaatgaat tttttcatgn tatggntgga 660
atatttct                                     668

```

```

<210> 359
<211> 648
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 581, 587, 647
<223> n = A,T,C or G

```

```

<400> 359
caggccgtag gaggaagatg gcggtggagt cgcgcgttac ccaggaggaa attaagaagg 60
agccagagaa accgatcgac cgcgagaaga catgccact gttgctacgg gtcttcacca 120
ccaataacgg ccgccaccac cgaatggacg agttctcccg gggaaatgta ccgtccagcg 180
agttgcagat ctacacttgg atggatgcaa ctttgaaaga actgacaagc ttagtaaaag 240
aagtctaccc agaagctaga aagaagggca ctcacttcaa ttttgcaatc gtttttacag 300
atgttaaaag acctggctat cgagttaagg agattggcag caccatgtct ggcagaaagg 360
ggactgatga ttccatgacc ctgcagtcgc agaagttcca gataggagat tacttggaca 420
tagcaattac ccttccaaat cgggcaccac ctcttcagg gcgcatgaga ccatattaaa 480
ttctatttac tatttgttga atttattttt cgtcagtta tgtaaaataa acatactctt 540
cttctcccc tgattattgc cattaagcct ttacctgcc nggcggnccg ctcgaaaggg 600
cgaattccag cacacttggc cggccgttac tagtggatcc gagctcnt                                     648

```

```

<210> 360
<211> 670
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> 492, 540, 557, 565, 567, 586, 593, 599, 601, 618, 621, 625, 662

<223> n = A,T,C or G

<400> 360

```
ctgacattta ttatttttgggt ttcatTTTTcc ttttttgcgtc tttatgtttc tttcgacaat 60
ccatacgagc gttgggttgtt ctggcctccc aagagttcct gctcatatta cttcctactc 120
ctctccagaa taagtcagaa ccttgaagtc gttcatcatt cttagagaaa aagaaaaatc 180
tagtggtctc tttctcaagt aatgatgctt ctctgaaaag aaagggacaa aggagagaga 240
aaaataggta ttgggttggtt taatttcaat atttaagaag aaatatttac attcaaaaca 300
taaatacact atttcttaaa tatactctttt ttcatTTTccc cctagaatcc aggtgagcga 360
gactcttaaa tatactctgt ttgtattttg tgcattttgc cctgagttaa aacaaccctc 420
cctctaacat tcttctatct gaagctttga taatgaagac ttgtttaagt agaaccctta 480
tctttcctgt gnttggttgc tgatactctc actcccacca ttgctacccc attttgccan 540
tgccctccat ggggtangca cccangnaaa acctgcaaca tcttgntttc ccngaccang 600
nggacttcca cttggcangg ngcnccccct tccccctttt ttcttatgcc cccaaaacct 660
tntctttccc                                     670
```

<210> 361

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 474

<223> n = A,T,C or G

<400> 361

```
gcattttacgc attcctccag tcttaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa ctttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaacccta tgaatgtaag 240
gagtgcggga aagccttcag ttcttccagt tcttttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaag aggtgtccct gttctctctg 360
aagacatgaa aactcactgg ggagaaaccc tatgaatgta aaaatgtgga agcaactttg 420
tatctcaggt cttaatgaac acatatgaat tcacagtgga gaagaccctg catnagggaa 480
tgtggaaatg acttttgctg aattctcaag ccttaccaaa cacatcagga aatctcactt 540
gggagagaaa acccgtatga atgtag                                     566
```

<210> 362

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 553, 560, 603, 604

<223> n = A,T,C or G


```

<400> 362
aaaatacttt atttagccaa atggttttctt gaatcttagc tacagagaaa tttttacatt 60
aaagaacatc atgattatca caacaactta cttagcactt gcgtgtacta agtgctgcac 120
taagacattg tagtttccag tgtcttgaac caacctggga aaaatatcag tggtgagggg 180
tcagtgtttg tatatggagg atggtgcaaa ctgaattatt ccataaaagc tgcttggtta 240
ttccagagaa agcacacagc caccttctca ttagaaggag ggtaggata ggtgttatgg 300
tgaaaaactg agatgctgct ggatcccagg ccagaggacc taaagaaata ctctctccat 360
taggagccca ccctgtggag gaactcgagc ctactccaga tggggactgg gtaggaacat 420
cagtgccatt tttcttcaga tgaatattgt agaccagaa ggaagcacct tgtaagcagg 480
aaaaataaat ttgtgctgaa ataatggatg taaaatactt ctccctgtcc actattgtca 540
aaacacctgc ccngggcggn cgctcaaggg cgaaattcca gccactggg cgggcggttac 600
ttnnnggatc cc 612

```

```

<210> 363
<211> 607
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 127, 466, 493, 527, 528, 529, 545, 549, 553, 556, 580, 581,
596, 600
<223> n = A,T,C or G

```

```

<400> 363
cctgggcttc agtataagct cctatctcag tctggccccg ttcattgcccc agtcttcaca 60
atgtctgtag atgtggatgg cacaacatat gaagcctcag gaccatccaa gaaaacagca 120
aaacttnacg tagcggtgaa ggtattgcag gcaatgggat atccaacagg ctttgatgca 180
gatattgaat gtatgagttc cgatgaaaaa tcagataatg aaagtaaaaa tgaaacagtg 240
tcttcaaact caagcaataa tactggaaat tctacaactg aaacctccag taccttagag 300
gtaagaactc agggccctat cctcacagca agtggcaaaa accctgtaat ggagctcaat 360
gaaaaaagaa gaggtctcaa gtatgaactc atctcagaga ctggtggaag ccatgacaag 420
cgctttgtaa tggaggtaga agtagatgga cagaaattca gaggcngcag gtccaaataa 480
gaaagtggca aangcgagtg cagctttagc tgccttgagg aaactgnnnt ctggacccca 540
atgcnggcna atnatnagaa aaaagaagat tattccttcn nggcaaaagg gcgttngggg 600
aatacca 607

```

```

<210> 364
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 364
ccagctcccc aatcaatctc cagtactcat tgaacttgag ctccgagtcg tgattcacat 60
ccaagetctt catcttctca tcaagagagc ccacatcctt gagcagatgg ggcaactgct 120
gggtaaccag ctctttgaac tcgttgacgc tgaggctatc cttccggccc tcctgccttg 180
caaaggtgaa gaaggtggtg accacggtct caatggactc ctctagctct gtcagtgggt 240
ctgctgccat taggacctg aggccaaagc tgatgtcctc aaggggctag ctgacctttg 300
tcagggctga ccgggcaagg agatggggtg gagtgaactg gagcctcagg gctgaggttt 360
ataagcagcg ggaaggagg agagagctgc ttccaagcc 399

```

```

<210> 365
<211> 529
<212> DNA

```

<213> Homo sapiens

<400> 365

```
ccacgtccat cggagtgtcc ttctcgggtg gcgacggggg gcctgaggct gagaagaacg 60
caggggagcc cgagaacacc tatattctgc ggctgtttt ccagcagagg ttcaggccct 120
ctgtgggttaa agactgtatc catgctgtgc tcaaggagga actggcaaact gctgaatatt 180
ctccagaaga aatgcctcag cttacaaaac atttatcaga aaacattaaa gataaattaa 240
aagaaatggg atttgaccga tacaaaatgg tgggtgcaagt agtgattgga gaacaaagag 300
gtgaaggagt attcatggct tctcgtctgt tctgggatgc tgacactgac aactatactc 360
atgatgtttt catgaatgac agtttattct gcgttgtagc agcatttggc tgtttctact 420
actgaatgaa tctttgaaaa gctggtaaaa gacatgacca tgaagaaatc tgaacttttt 480
aatattgtta aatatcttga caaaaataaag atgttagtag ttcgaaaaa 529
```

<210> 366

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 57, 401, 403, 408, 411, 425, 429, 434, 441

<223> n = A,T,C or G

<400> 366

```
aaagacaaaa aaattctttt atgtacaata tcttgtctag agtctagcaa atatagnacc 60
tttcattgca ggatttctgc ttaatataac aagcaaaaaac aaacaactga aaaaatataa 120
accaaagcaa accaaacccc ccgctcaact acaaatgtca atattgaatg aagcattaaa 180
agacaaacat aaagtaactt cagcttttat ctagcaatgc agaatgaata ctaaaattag 240
tggaacaaaa acaaacacaa aacaacaaac aaacacaaac aaacacacaa caaaatccca 300
ccaatcttca tgggtaaact ttctgtctca gggatgtaag ctgactctag accatctcgc 360
ggttctctgc gatagcacag cacacgatca tactgaagat nangccanat ntcatgacca 420
ccgcnatgnc gatncccaact nccccgatg atg 453
```

<210> 367

<211> 502

<212> DNA

<213> Homo sapiens

<400> 367

```
ccatccgcaa cgacgaggag ctcaacaaac tgctaggccg ggtgaccatt gctcagggcg 60
gcgtccttcc taacatccag gccgtgcttc tgccaaagaa gaccgagagt caccacaagg 120
ccaagggcaa gtgatttgac aggtatctga gctcccgga acgctatcaa acccaaaggc 180
tcttttcaga gccccctac cgtttcaaag gaagagctaa cctcactgct tgtaggtaga 240
aggaaaaaag gcactaaggc tgcaaaagct tctcatttca gagagatgcc aggatccctaa 300
ctgcctgcc aacttaccaa ttctaaggaa taagtggatg gatggcatta ctgattccta 360
cattactgat tgattctgca tccgcaaatt gttttattaa aaacattcta catcatgtgt 420
ggggagataa ggaggataaa atgaagagaa agaattattat tgagggggaag ttctttctgaa 480
tacaaaatgt gtttaatttt tt 502
```

<210> 368

<211> 695

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 525, 532, 533, 553, 573, 585, 599, 602, 618, 645, 646,
655, 657, 669, 677, 678, 688

<223> n = A,T,C or G

<400> 368

```
naggagagtc agaaacaaac ttatagtgat gcgttggaag gttaatcgaa accatcctta 60
cccctatttta atgtagttta ccttgatttt tatctgatat taacaatacc atatagcttg 120
ctttttatta gcatttcctg atattccctt gtccatattt ctacttataa cctggttgcta 180
ttaatggttt tagatgtatc tcttgttatc tgcattctcat tgtttattgt attttgaacc 240
aatctacaag tctctgtctt ttaataaaaag aactttacac atttgtaaaa aagagggttct 300
tggttaagata taaaatggaa aaaggctaag taatatgtga atatcatatt ttgaaaaggt 360
aaaaagtaca tttgtatatatt acatatatgg acataacttg tgaaggatga aagaaagtac 420
agcctctcgg tggtgggatt atgaatgatt tttctccttt tgccttggttg tattttctat 480
attcctaaaa ttaacacaca ttattattgc tagaataata aaagntttta tnnaaaaaaa 540
acctttgggc cngacccccc ccttaagggg gnaaaatttc ccaanacca ccttggggcng 600
gnccgggttc cctaaggngg ggaatccccc gaagcctttc gggggnaccc caaangncc 660
ttgggggngc ttaaaannca ttgggggngc attta 695
```

<210> 369

<211> 473

<212> DNA

<213> Homo sapiens

<400> 369

```
cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg tccgcctgct 60
actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa agagaaaatc 120
agttcgtggt tgcattgttg atgcaaatct gagcgttctc aacttggtta ttgtaaaaaa 180
aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc tgggccccaa 240
aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg tccgccagta 300
tggtgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag caccacaagt 360
tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg ctctgaagaa 420
gcagcgtacc aagaaaaata aagaagaggc tgcagaatat gctaaacttt tgg 473
```

<210> 370

<211> 289

<212> DNA

<213> Homo sapiens

<400> 370

```
ggcatcacga accatcctgc ttcaaggagg cctgcgggtc tgactgcagc ttcagctatg 60
acctggagtt cccgggcttc tctgcggggc accagctctg atgctccatt ttagataata 120
aaaattggca tattctgggg tgggcaggat acgggggtca cctgcagatg aacaggggcag 180
gaaaagcttg atggggtgtc gggggaatct ggttggcctt aaagggaatt tgggggtcctg 240
ttcctgaatt tggtaggcag catgcatgta aggcttgaag tggggttgg 289
```

<210> 371

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 43, 56, 57, 64, 69, 74, 126, 159, 162, 262, 280, 286, 354,
365, 382, 391, 402, 405, 419, 424, 433, 440, 448, 457

<223> n = A,T,C or G

<400> 371

```

gggggcaggt cctaagttat aatccttctt cctcacagcc ccntttcccc aagggnnttt 60
accnccagng cagnttttcta gctgtaaaca atgccaccag catgagtgat agtgtccctg 120
tagggngctc ccactttctca aggaccaa atacaccttanc anaggccaag gtttcctgac 180
aaagtgaatg ggggcaaaca gaaaatgcac aggtgcaaac atggaataga atggtagttg 240
atgattggctc tgaggtgcct anaaactgag ttaaatctan ctctanccat gaatgaagaa 300
aaccttttct tattttctat ttggagctc ttgacaaaaa aaatcttgag aggnctcctga 360
ccaanggacc tgagggattt cnggggggtt ntttccccta anggnaatcg gaattggcnt 420
gcctacctt aancataatn aaaaatancc cttttcnat aaataa 466

```

<210> 372

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 42, 44

<223> n = A,T,C or G

<400> 372

```

aaatcaactg atttgtatgg aaaatgcac ggcaaataaa tnanacctat gttaaagcga 60
aggtcagcta aatatccaaa cttaaggata taatgggcac cgataaacag attccacagt 120
cttctttaat agagtatctt tcaaacacaa ctttgctaga aactggcca aagatcgaca 180
gcacgtggga atgcttaaca ggggtggtga tcagggcac gtttcctggg tgccgctttg 240
atgatgttgt ccacacgcag aatcacctct gctgcttcag 280

```

<210> 373

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 313, 336, 441, 453, 464, 466, 487, 491, 502, 512, 513, 514,
532, 533, 540, 563, 568, 578, 583, 586, 588, 597, 610, 613,
616, 620, 625, 645, 646, 653, 674, 703, 720

<223> n = A,T,C or G

<400> 373

```

ccaattaaaa tatatagcaa taacagtatc attaatactg gaacaataaa tgatacaaat 60
taatcctaaa gcatacagaa aaaaacatca tatgaaagt actttctagg ctgagttatt 120
ctaaacttgg ctaaaatatg caacttgaat tctaattgat ccttctcatt tgaactaaag 180
gattattctg cggacacaaa ttgttctcta aaatttcaat caaatggggc ctctgcatat 240
cccacaactg ctctctaattg acttcttacc ctccagttac acataatcat aatgtctaaa 300
caacacagtt tanggatttc aaaattatta agggcctttc aagttttctc aatcttctaa 360
catgccagga tcttcttttc aaaaatgggg aaaaataaat tttttggatt tgaaattttc 420
caaaaggaaa agaataattg naaaattttg gtnttaaaga atcncccc ttaattccct 480
ttttaantaa ngaatccacc anttttttac cnnnaaatta attttctttt tnnaattttt 540
gaaaaggaaa tccccctttt tcnaaacnct ttgaaaanaa ggncnncnca tggtaanntt 600

```

<400> 376

```

cctgcgaggg ccgaagctaa gctctcacgt ctggcgcgct tcaggctccg cacacacagg 60
aagcaaaagc taaggcagag ttgaaaatgt gtttaaccgc ggaagggctg accccacatg 120
cacacagacc cttctacaaa ctctgggagg gttttatggg tttttttgat tccagatgtt 180
taaggaaatc tctgtcctat cactgaccac tgggctaaaa gaataggaag aaacggccat 240
acgtgacaaa aaatacagac tttacaacca gaaaagtcac taaacaaata actactgcaa 300
caaacagcaa gacaaacccg ggaganggcg taggatcata tttccagagt tgctacatta 360
taatatctta aacacccagt ttacctcggc cgcaacc 397

```

```

<210> 377
<211> 301
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 23, 33, 35, 41, 114
<223> n = A,T,C or G

```

```

<400> 377
aaacttgatc caacctcttt gcntctttaca aantnaaaca notaaaataa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cagcctcat tacnattcgc 120
ctgcttgctt ctctgttca atcgtttctt tggaaggcag tggatttttc tcttgcttct 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg ggtttgctcag 240
acatggttgc ggaggaaaag cgaagcgagg cgacagagta cgagcgaagt ctgggtctgcg 300
c 301

```

```

<210> 378
<211> 734
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 359, 373, 377, 380, 389, 417, 426, 432, 435, 438, 500, 506,
513, 517, 520, 528, 532, 542, 545, 558, 574, 581, 591, 603,
610, 611, 620, 621, 622, 635, 645, 651, 652, 661, 667, 678,
679, 685, 690, 704, 709, 720, 722, 727
<223> n = A,T,C or G

```

```

<400> 378
gggcaggtcc acagaagttg ctgctgacgc tctgggtgaa gaatggaagg gttatgtggt 60
ccgaatcagt ggtgggaacg acaacaagg tttcccatg aagcaggggtg tcttgaccca 120
tgcccggtgc cgcctgctac tgagtaaggg gcattcctgt tacagaccaa ggagaactgg 180
agaaagaaag agaaaatcag ttcgtggttg cattgtggat gcaaactctga gcgttctcaa 240
cttggttatt gtaaaaaaag gagagaagga tattcctgga ctgactgata ctacagtgcc 300
tcgccgcctg ggccccaaaa gagctagcag aatcccaaac ttttcaatct ttcttaaana 360
agatgatggt ccnccnttn tgttgtaana aaaccctta aattaaagaa agggaaanaaa 420
acctangacc anaancncc ccaagaattc agcgtcttg tttacttccc ccttgttcct 480
tgccagcaca aaaaccgggn gggcgntatt tgnctcnttn aaaaaancc anccgtcccc 540
cnggnaaaaa attaacgnaa agaaggcttg ccanaaatat ngcttaaaac ntttttgga 600
centcggecn nggaaccacn nnttaagggc gaaanttoca accnctttg nngggccgtt 660
nettaanggg aatccannc ttcgngtacn ccaactttgg cggntaaanc ttggggcaan 720
anctctnttc cgcg 734

```

<210> 379
 <211> 441
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 117, 146, 175, 191, 194, 215, 221, 226, 264, 279, 283, 288,
 290, 295, 302, 314, 320, 325, 326, 339, 352, 379, 383, 401,
 407, 409, 419, 425, 429, 432, 437
 <223> n = A,T,C or G

<400> 379
 aaataatggt tgtataaaat tgcagcagca agaaacccaa aggagaatag ctctagggga 60
 gggaggttga tgagtatgca tgggggagag gctcttttgt gaccaggttg ggtctgnagc 120
 cctceccact gtccataaca cctccnacc ctcacatctt ttccatatac caacnccttg 180
 gagatataat ncanaagtga agtgatcagg ctgangatta nggcangtgt ctggaatatg 240
 atcaggagtg ggaggggagt gacntacctc acaggcaang canaactncc ccaangctat 300
 angtttccct cccnccctn acttnnaatc ctgaggcgng accctgactc cncctggctt 360
 gccccttccc ctacccccc tncctctttt ttttttccct ncccggngng cccttccana 420
 gggcnaatnc cngcccnctt g 441

<210> 380
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 392, 469, 519, 527, 533, 555, 568, 579, 581
 <223> n = A,T,C or G

<400> 380
 gagcgccgcn gcgggcaggt aaagtaatat ctatcagtaa tagctgagtg ttttttcccc 60
 taatatatttc cttgtgcaat tcagacttaa gcacogagtt tttaccatct tccacttta 120
 gctaagttat gataacctatt ccattcacaa ttgggtgttct ttttaagggt tgcaaatttc 180
 agccaatttt gtagctaaga ttgttctgat cagctcaaaa agatttggct tagtgttttc 240
 attgcaaatt ataattgctg tagagccaca cacaactttt gaacttttta ttataagtgt 300
 tatggctaaa gttattttact gaaaatttca gtaaaatgtg tgaatgtttc tttatgtatt 360
 aacctcatag cagtaaatga ctttgctgtg gntaaatttt ctaaggcatc ttaatatagact 420
 tctgttgaaa cttcagggtg acattttata gtttgactaa atttaccgng attaaaaatg 480
 aatttatgca tagacagaat ttacctcggc cgcaccacnc taaggcnatt cncacactg 540
 ggcggccgta ctagnngatc caactcgnac caagctggng naatcatggc atag 594

<210> 381
 <211> 627
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 349, 405, 410, 460, 503, 512, 514, 554, 590, 596, 614
 <223> n = A,T,C or G

<400> 381

```

gccgaggtaa aatactgtca tttgctcaaa gctggctgcc aaatgtttgg tgatgaaggc 60
agaaatgaat ggctcaaaac ttgggagaag agcaaaacct gaaggggccc tccagaacaa 120
tgatgggctt tatgatcctg actgcgatga gagcgggctc tttaaggcca agcagtgcaa 180
cggcacctcc atgtgctggt gtgtgaacac tgctgggggc agaagaacag acaaggacac 240
tgaaataacc tgctctgagc gagtgagaac ctactggatc atcattgaac taaaacataa 300
agcaagagaa aaaccttatg atagtaaaag ttgcgggact gcacttcana agggagatca 360
caccgcgtta tcaactggat ccaaaaattta tcacgagtat tttgnatgan aataatgtta 420
tcactattga tctggttcaa aattcttctc aaaaactcan aatgatgtgg acatacttga 480
tgtggcctta atttttgaaa aanatgttaa angngaatec ttgtttcatt ctaaaaaaaaa 540
tgggccctaa agtnaaatgg gggaaccacc tgggattttg gatcctgggn caaacnttta 600
aatttattat tgcngggatg aaaaaaa 627

```

<210> 382

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 342, 393, 410, 413, 463, 493, 495, 499, 523, 548

<223> n = A,T,C or G

<400> 382

```

gtggagggag aatcacgaca tcattcataa ataactgtgg agtctgggat gctggctgaa 60
ggcatctcca ggaaggactg gagggcgatt ttgctaaagg gctgctcact gctcatttca 120
ctgcatgccg cttttctcac tttggttggg agtttgaagg accatgtaat cacagagatt 180
agagctccct gtgaaatcaa tcaactgctt tagatctcca caaagacctg ttctccaata 240
gcacatgcgt ttctctgtga gctgtattcg catcagcgcc ggagcctcag aaagaatgcg 300
tgtttacact ctgtactctc caatgggtta tatttatcat anaaatctaa tcatattctt 360
catcttgaat ccaacttctg tacagtagca tancggggtt gcttgctgan acntgaaggg 420
ttacgtcctt gcccatgcag gtctccaaaa gagtggaata atncaagata aaaatggaaa 480
ggacctcggc gcnancacnc taaggcgcaa ttccaccact tgnngccggt actagggatc 540
caactcgnac caaactggcg aatatggcat actg 574

```

<210> 383

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 343, 394, 408, 410, 423, 450, 507, 518, 567, 586, 605, 610, 614, 616, 636, 638, 649, 651, 657, 659, 667, 681, 684, 694, 702, 704

<223> n = A,T,C or G

<400> 383

```

aaattatttc actgaagctg agattattag tgatacaaag ttaaaatttc aatattttaa 60
ttctctatat attattaata ttaaattggt ttttacttat aaattcatgt tctcatctga 120
tttaatatata aatttgtata ggtgggcgtt tottaccatt ttgcacaagt ttttgTTTT 180
ctgaaatact taattgtgca ggttgtaaaa aagattagtg cattttcatt ttaaggatgc 240
tttgctcctt aaattgttcg acagaaatga ctttttaggg aaagtagttt ttttgagact 300
actaacttgt atttattatt gtacatgcat aaccaggggt ggngagggca ctaatcttgt 360

```



```

aggaaacact tacttggagg ttttattttg aacnttttcc tatagggntn acctttacct 420
gcntagaatt aacccttagg aaccagtggg cattgaaaat ctgggggttg aaaggagaa 480
ataccagttt tttattgaag aaaccntta aaagttcnaa aataggaaaa tcattttctg 540
gaagaacaaa aagcccgaag ggaattnttg gtcaagtggc ccaaanaaat gggaaagaaa 600
ataanggggn gggnanttta acccttgggg ccaagntntt tggaaaaana naggccntna 660
aaaaacnggg gaacctacct ntnnattggg gaanaaagtt tntncttttt tttaatcca 719

```

```

<210> 384
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 46, 193, 282, 313, 318, 332, 341, 353, 357, 359, 378, 386,
424, 450, 452, 469, 494, 502, 506
<223> n = A,T,C or G

```

```

<400> 384
tttttttatg acactggatt tctttaatta aaaaaaaaaat gccanaaac attatttata 60
caggggtgat tgctttcatg ttgttattct gtaccctata gtagcctcca tgaaaatctg 120
gtatttcttg ctgcttggaa ctactttgca gtgattactt gggtgcagtc caagtactct 180
cgttttagtct gancctggag atgttctaaa cttgcttctc ccacctctga gattaggaca 240
ggaaaaatgt gaaatttccc aattacagga ttatacggcc cntcacatca tttgtggaaa 300
ttgggggtgac tgnatacngg gattgggcta angactgtgg ncttattttt cncatncng 360
gcaaaaaggc ctatccanaa atccanttcc tttggaaagg aaaaattggg cctccttgct 420
ccanaagggg gttcccaaaa aaagggggaan gnccctttta ccctttgcng gggggggggg 480
gaaccttgaa agncttttc antccttttg cgta 514

```

```

<210> 385
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 166, 330, 357, 367, 374, 389, 396, 405, 406, 419, 420, 421,
437
<223> n = A,T,C or G

```

```

<400> 385
gccgcgcgtt gtgctgcagc catgtctcta gtgatccctg aaaagttcca gcatattttg 60
cgagtactca acaccaacat cgatgggcgg cggaaaatag cctttgccat cactgccatt 120
aagggtgtgg gccgaagata tgctcatgtg gtgttgagga aagcanacat tgacctcacc 180
aagagggcgg gagaactcac tgaggatgag gtggaacgtg tgatcaccat tatgcagaat 240
ccacgccagt acaagatccc agactggttc ttgaacagac agaaggatgt aaaggatgga 300
aatcaccag gtctaccaa tggctctggan cttgcccggg cggccgttca aaaggcnaat 360
tcaccnact tggngggccg ttacttagng gatccnaact tgggnccaa actttggcnn 420
naatcattgg gcattanctt gttt 444

```

```

<210> 386
<211> 348
<212> DNA
<213> Homo sapiens

```

<220>

<221> misc_feature

<222> 328

<223> n = A,T,C or G

<400> 386

```
ccaggatggt ctcaatctcg acctcgatgat cggcccacct tggcctccca aagtgttggg 60
attacaggcg tgactcacca tgcccagcca cttagttttt tcttattccc acctttctat 120
cccatagaac actctttttt atcttccctg aaccatattg atgagataaa tagggctggg 180
ggctggggccc cgetgggtcac tcaacagagt atttcccttg gccgagatgg aagttttgtc 240
ccaatagatg agctgctgag tatcaacaag gtgacatttt tctgctgccc atttgtgtcc 300
tggagacggt ggtaccctga aggcagangc cagaccttcc ccggcggg 348
```

<210> 387

<211> 139

<212> DNA

<213> Homo sapiens

<400> 387

```
tcgaaatgca gaacgacgcc ggcgagttcg tggacctgta cgtgccgagg aaatgctccg 60
ctagcaatcg catcatcggt gccaaaggacc acgcatccat ccagatgaac gtggccgagg 120
ttgacaaggt cacaggcag 139
```

<210> 388

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 34, 36, 43, 49, 70, 125, 128, 142, 192, 208, 235, 267, 277, 301, 338, 374, 375, 387, 481, 482, 492, 505, 509, 517, 526, 547, 576, 577, 580, 594, 606, 607, 611, 639, 659, 669, 673, 682, 690, 691, 696

<223> n = A,T,C or G

<400> 388

```
ggcgatgtta caaattaatt ttaacggctt acanantcat ttnaagaant gtggtgggaa 60
atacaatcan attttggcat ttcgacctac aggatggaca cactctaaca agttcactag 120
aatanacanat gttattcccc anaccaaagg aaacatttca atatatggaa ttccttacag 180
tgaacacagc anctacctag aaatgaanog ctttgtccag tggctgaagc ccanaaaat 240
catacctact gtaaattgtg gcacctngga aatctangag cacaatggag aaatatttta 300
nagagtggaa attggaaact ggatattgat gataacctncc aggattcaag ataagttaaa 360
ttccttttga tgtnncttgt tacttantta aaatctatta aaaatgtgaa aatacacttt 420
tgtgggggaa aaccttcatt gaaaaattgt tcaaaatact ttatTTTTct catttatgtt 480
nnaaccacca tnttcttggg ggttnaatnc ctttcancet tcatcnaagg atactgaact 540
tgggtcnccc ttgggacctt aatttctttg cccctnnccn tccttgggca gttnttttct 600
tcttcncccc nttcaaaaag gaaacaaagc gcgattccng acccaacggt taatgatant 660
aaacaaagnc ttnaaccttt tnttttaacn nttttinggtt ttctcccg cgggc 715
```

<210> 389

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 25, 40, 49, 72, 185, 201, 269, 315, 380, 384, 405, 412, 430, 444, 473, 481, 500, 531, 538, 543, 546, 550, 556, 557, 563

<223> n = A,T,C or G

<400> 389

```
acctgttaat ataagggatt tgtantatca gcttggtgan caatgactnt gaatctagtt 60
ttcagtgatc anaagcagca gttatttgag tgtatgaatg gaatgatgat cactgtgcta 120
taatgtactg aaaccaccat attacagaaa tattttactac atattttcca tctgtagttt 180
ctcanaaggg ctatggatta ntttgaactg tcaaatcctt gcatacttct gtgacacccc 240
tgcccatttt ctgtctttta ttaaccaang tgtaggtgt gactgtcaca actggttatgt 300
tttccagtaa actanaagta tgatatttga taattatatt tggatttccc ccctaaagga 360
atggtgaatc ctcaaaaatn aaangaaagg ccttcattga aaatngggtt gnataaattg 420
cattgtgaacn cattttacct gggmagtccc ttaccttttt aaattttggg tntttccaaa 480
naaccctaaa taaattttgn ttaaatccaa aaaaaaaaaa aaaaaaaaaa nttttaancc 540
ccnccnccn ccccnnggg ggnatcccc ccc 573
```

<210> 390

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 132, 272, 304, 328

<223> n = A,T,C or G

<400> 390

```
ctgagggtgt cantacaatg aaaccaaact ggcgggatgg aagcagatta ttctgccatt 60
tttccagggtc tttgagttgc acgtcaaate tggggctgat caccacacac ttgttttagcc 120
tgccgtgtgag gntcacaaca attttccag ctcgtgtgtc atcaatgatt tcaaattcgc 180
caatgtaacc atgcttcac atcacagtga gaaaccggac gatgactttg gagcacggcc 240
taataagcac ctggcgtttg cctctctttt cngcattgtt gatactcttg agagcatctg 300
ccangacatt catgcgcacc attgtggnng ggacctcggc cgcgaaccac 350
```

<210> 391

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 272, 342, 439, 476, 486, 503, 511, 514, 515, 534, 548

<223> n = A,T,C or G

<400> 391

```
actaaacgag aaattgacag cccctgaacg gagaatagag tacattgaag ctggggtgac 60
aaaaggtgag acactcacct agaacagtgc cgtgctgctg ctgggaagt gctttacaca 120
acacaggcca catgggaaag gcccagcag ccttcagctc cttcctttct ccttaaagag 180
caacagggct tattcttgtt tttctttttt caaaagtgtg gcctttgggc tctgccatct 240
gggggtgtgt gtggtatgtg ggaagaagtc anaggaaccg ttggaaacga cgtaggcacat 300
```

```

tttacctttt cagcaacatt ttatacatct acttgtcaat gnatttgaga cattcacagc 360
caaaagcctg ggactctttg tgaaggteet cctcaacctt atctttcttt ctctctctct 420
caaactttcc ttaaagtntt cattgccttt gecttgcttc tgtgaacaag atttgnctcc 480
tccccnccct tttggtgtga aanggcgggg naannccctg gcaaaaacac ttcttgcccc 540
tggtcatncc 550

```

```

<210> 392
<211> 551
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 53, 509, 541, 551
<223> n = A,T,C or G

```

```

<400> 392
agaggcaaca gcattattga gaaaagccct tacagaagag tgtggccgta ggncagctat 60
tcacagtagt gaatcatctt gcagcttgcc atctattctg aatgacaata gtggaataaa 120
ggaagccaaa cctgctgtat ggctcaacag tgttcctaca agggaacaag aagtttcaag 180
tggtctgtga gacaagagca agaaagaaaa tgtggtgtga gatatccaa tcacagaaac 240
agaagcctat cagttgtgtg agaaggccac ccttcaggat aatacaaata aaactgaaaa 300
caggtttcaa aagacagatg cttctgtgtc acacttgctc ggtttgaata ttggcagcgg 360
tgcattcgag acaaagacag ctaacaaaat tgcttcggaa gctagttttt catctagtga 420
aggaagtcct ttgtcaaggc atgaaaacaa aaaagaaacc cgggatcaat ttacctgccc 480
ggcggccgct cgaaagggcg aaattccncc accccttgcg gccgtactta gtggatccga 540
nctccgtacc n 551

```

```

<210> 393
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 37, 131, 137, 155, 156, 238, 278, 287, 310, 311, 314, 327,
337
<223> n = A,T,C or G

```

```

<400> 393
ccaacttata tgattttttt ttgtttttgt cgtgtancta tggcactgtc ttatttgga 60
catttgcaac tagggataat acaacatttt taactctcat ttgacaacct actactaatc 120
acagaccaca ngggtantga ccaaattttat gtgggnntttg cactccatag atgcttagcc 180
caatctttct atactcttac gattacttgg gttaacgctt ctgtgaggac cttctggntc 240
ttgagatacc ctaaatattht aagatattht gatatctnga agatagnata ggatatacag 300
attgtaccan ntangaatat aaggagnatg ttaaaaangac cagatacctg t 351

```

```

<210> 394
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> 138

<223> n = A,T,C or G

<400> 394

```

aaaatcctga ttttgagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60
ttgttgatt gttatTTTT gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgtangc ggcttatagt tcttttggct aacaaatcat tttggaaata 180
aagatTTTT actacaaaa aaaaaaaaa aaaaaaaaa aaaa 224

```

<210> 395

<211> 386

<212> DNA

<213> Homo sapiens

<400> 395

```

ccacagctaa catcattgca gcacctttac tcttcggct gtgatccaat ctccagctca 60
ctttttgccca gcaccaacat tggcctttgc agtccccctg actttcttca ttctgttctt 120
gcgttccttt cggtgctttc ttgaggctct tttcttctca tacaggccat gtcttgcaag 180
tctatgtttg gggtcatatt tctttgcata atccaggga tcataaatca tgccaaagcc 240
agttgtcttg ccaccaccaa aatgagttct gaatccaaat acaaagatga catccggtgt 300
gggtctgtac attttggcta gtttttcccg aatttctgcc ttaggcactg tcgccttccc 360
ggggtgaagg acatcaatga ccattt 386

```

<210> 396

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 461

<223> n = A,T,C or G

<400> 396

```

aaaatacttt atttagccaa atggtttctt gaatcttagc tacagagaaa tttttacatt 60
aaagaacatc atgattatca caacaactta cttagcactt gcgtgtacta agtgctgcac 120
taagacattg tagtttccag tgtcttgaac caacctggga aaaatatcag tggtgagggt 180
tcagtgtttg tatatggagg atggtgcaaa ctgaattatt cccataaagc tgcttggtta 240
ttccagagaa agcacacagc caccttctca ttagaaggag ggtagggata ggtgttatgg 300
tgaaaaactg agatgctgct ggatcccagg ccagaggacc taaagaaata ctctctccat 360
taggagccca cctgtggag gaactcgagc ctactccata tggggactgg gtaggaacat 420
cagtgccatt tttcttcaga tgaatattgt agaccagaa ngaagcacct tgtaagcagg 480
aaaaataatt tgtgctgaaa taatggatgt aaaatacttt ctctcttgcc actattgtca 540
aaa 543

```

<210> 397

<211> 234

<212> DNA

<213> Homo sapiens

<400> 397

```

ccagcgacct cccggttcaa ttcttcagtc cggttggtga accaggcttc agcatccttc 60
cggttctgct cggccatgac ctcatattgg ctctcgatgt cactcaggat cttggcgaga 120
tcggtgcccc gagcggaatc cacctccaca ctgacctggc ctcccacttg gccctcagc 180

```

gtactgattt cctcctcatg gttctttcttc aggtaggcca gctcttcctt cagg 234

<210> 398
 <211> 545
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 124, 426, 509
 <223> n = A,T,C or G

<400> 398
 ctgccctacc aaccccaggg cctccagcag ctccagcaag tggtagccga gcaatgccag 60
 tatctttggg gggtagcccc tccacagtca tggatacca gttctcccca cgcagcaaca 120
 ccanacccaa aacccgcttt tcttcacgct ctgggttgctt cgcattcttt ggcttgatct 180
 ttctgaactc atcacaatca cagaggatca aattcatatg ctagtcaaaa gccttaaagg 240
 tgccaatgaa gattcggcca tcttgccagg taatatctcat tctatagtca atgtgctgca 300
 gcatcttgct actcttgcca acagtcatga ttgctgttcc accaaatcca atgtccacag 360
 ttaaaacttg atgcttctga aacctagggg aagctataga taaaggtagt acgcagggtc 420
 tcctanaaac aatgcaagct gggcagaagc ttcaaaagag caagatggag cctggggttt 480
 tgctttggaa tcaaaattcc tcgtactcnc aatatggctt taaccacctc ttgggggtca 540
 gctaa 545

<210> 399
 <211> 544
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 133, 402, 419, 470, 479, 486, 498, 527
 <223> n = A,T,C or G

<400> 399
 ctgcaaagta ccacacatag cagaaagaca gaaatattata ctgggggggtt ggaagatatg 60
 gctactgagt ctgtaattcc atttgagggt tcaaaaaacc atttttacat tgctattatt 120
 tgtacagacc aangggacct aaattttgaa acagctagac agtgatataa acaaacattt 180
 atctctgggg gtagaaaatt aattataata caagaatgaa aatgggcaaa cagtatggaa 240
 ggcaccaca cctcctagca ccctttgggt ttctgatgga gttctcactt cacacatcag 300
 tgcattggat tgcagaaaat attgatattt tatttcatca aaagtgccat ttggtatgcc 360
 actattgaaa gcttatcgct gctttttctc ctccagcaaa gnagaagtca atgaagcang 420
 gtgtggtagt taccctaaatt cctataaggc actttacggt ttccacctgn ccgggcggnc 480
 gttaanggcg aattccanac acttggcggc cgtttctagg ggatccnaac tcgtaccaag 540
 cttg 544

<210> 400
 <211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15, 20, 21, 30, 35, 37, 360, 509, 519, 545

<223> n = A,T,C or G

<400> 400

```
cagcgggcg cggncaggn ntgaaagaan cccancnaca ttatcctctc catacatttg 60
caattggcat ggaagacagc cccgattttac tggctgctag aaaggtggca gatcatattg 120
gaagtgaaca ttatgaagtc ctttttaact ctgaggaagg cattcacgct ctggatgaag 180
tcatattttc cttggaaact tatgacatta caacagttcg tgcttcagta ggtatgtatt 240
taatttccaa gtatattcgg aagaacacag atagcgtggg gatcttctct ggagaaggat 300
cagatgaact tacgcagggt tacatatatt ttcacaaggc tccttctcct gaaaaagccn 360
aggaggagag tgagaggctt ctgagggaac tctatttggt tgatgttctc cgcgagatc 420
gaactactgc tgcccatggg cttgaactga gagtccatt tctagatcat cgattttctt 480
cctattactt gctctgccc aaaaatgana attccaaana atgggatgga aaaacatctc 540
ctganaataa ctttgagga t 561
```

<210> 401

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 424

<223> n = A,T,C or G

<400> 401

```
ccaggagcta agcttgagtc tcctttactg aatttcgttc ttagtgcagg ttacttgtag 60
attctagtct tcacaggctc cctggggctc ttaactagtc aactggggag tcatgaatgt 120
ctttccaata attcaggga ttctagagat cctcaaaactg taaggtctat tcataactcaa 180
cacaaggaaa aaacctcatt aaaattaatg actaatcagg aagcaacgta accaaaagca 240
cagtgaatga aagttttcat ggtaggttca acatgggttt attgctagaa agatccaggg 300
gatagcttta ggtttaactt cggctcacca acgtaacttt ctaatcattt atttcagtaa 360
tagctagaag tgggtctgaa tgttttccca gagtctgata ccgtgttttt ttttgccaga 420
aganaggtct tcaggagact tcattt 446
```

<210> 402

<211> 585

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 421, 445, 484, 485, 520, 530, 577, 579, 580

<223> n = A,T,C or G

<400> 402

```
ccaaagcagc cagggaagag tgccctgtgt ttacaccgcc cggaggagag acgttgacc 60
aggtgaaaat gcggtggaata gacttttttg aatttctttg tcaactaatc ctgaaagaag 120
cggatcaaaa agaacagttt tcccaaggat ctccaagcaa ctgtctggaa acttcttttg 180
cagagatatt tccttttaga aaaaatcaca gctctaaagt taattcagac agcgggtattc 240
caggattagc agccagtgtc ttagttgtga gtcacgggtc ttacatgaga agtctgtttg 300
attattttct gactgacctt aagtgttctt taaccagccac tctgagcata tctgaactta 360
tgtcagtcac tcccaataca gggatgaagt ctctttatca taaactttga ggaaggaaga 420
naagttaaaa ccaacgggtt caagnggtat tttgtattga accctacagg gatcatctta 480
aaanngggac tggacttggg aaacttcctt ttaagggttn aaaatttggg attcaaaaaa 540
```

tcttaaccat tttttgaaac ccttttttaa agggganann gccat

585

<210> 403

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 96, 132, 137, 151, 208, 230, 363, 375, 397, 399, 473

<223> n = A,T,C or G

<400> 403

```
ctgagcgatg aggatatcat catgcactgg tgggatagtg ccctctggaa agagatcagc 60
ctggttcccc agggggatcc atgtcatatg cctgggnatac actttgtggc tcacgtacag 120
ttcgttgggg gncagangaa tcttttagcag natgggggtt ccgagtgcac ctgacctgga 180
gacgaaactg tagagtatct atctctgngc cttcttcacac tccttgggtg cgataactca 240
aaagacgggg atcagcatga atgggaatga gcccagacg gtgagcaaga atctcatcct 300
gaacaatgga tgtattattg tacaccagga ccttctccac agccatagtt ggcacctcag 360
ctncagaatt cgtcnaaaaag cattggcaat ggotgonana attcccacca tgtcaaaactc 420
cagtgaagtt tcatccatgt gtactacatc cacacccgaa attcttctcg aancgggtcc 480
cttgggtccca aggcacatc ataaaccgga atagttaccc gggaaaaa 527
```

<210> 404

<211> 172

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 164

<223> n = A,T,C or G

<400> 404

```
cctgatgggc gagtgggtgg gcagggcatg cctcagtcgg agtcacaggc cttttgttcg 60
gtggcagcat ccactgcaga ggctaggctg tcttcctggc ctttcagcct ttcacggatc 120
agctcgcaat gggccctctg agtcgcgttt tttagtttct ccanotttct gg 172
```

<210> 405

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 11, 228, 273, 367, 378, 388, 389, 402, 410, 436, 466, 472, 490, 492, 509, 546, 552

<223> n = A,T,C or G

<400> 405

```
ctaggtctcg ncatttccta ctggatgttc totcaataat tgtgctgccc attataactcc 60
caatgccggt gacacaacag tattacagta tgatgacatc tgtaaaatag actttggaac 120
acataataag ggatgattat tgactgtgct tttactgtca cttttaatcc caaatatgat 180
acgttattaa aagctgtaaa agatgctact aacactggaa taaagtngc tggaattgat 240
```



```

gttcgctgtg  tgatgttggt  gaggccatcc  aanaagttat  ggagtcctat  gaagttgaaa  300
tagatgggaa  gacatatcaa  gtgaaaccaa  tccgtaatct  aaatggacat  tcaattgggc  360
aatatanaat  acatgctnga  aaaacagnnc  ccattgtgaa  angaggggan  gcaaccaata  420
atggaggaag  gagaantata  tgcaattgaa  aacctttggg  agtcangaaa  angtgttggt  480
catgatgatn  tngaaatgtt  caccctacnt  gaaaaatfff  gatgttggac  atcgccaata  540
aagctncaaa  an                                     552

```

```

<210> 406
<211> 545
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 139, 248, 319, 337, 367, 431, 496, 528, 545
<223> n = A,T,C or G

```

```

<400> 406
ccagcccctc  cttgttccag  ccggtgggtg  gacttcgttg  gttgaggtgt  gtctccaacc  60
tacatcagac  catgaagttc  aacccctcca  gggaagctcc  tgatttcccc  tgcataattg  120
aaaataggat  atttctcanc  tattgaacag  ttactaattt  atgggggtgga  aacagcatta  180
agaatactga  atcaaattga  aaaacaaatg  aatacaggaa  gataagtgtt  cgttcttttc  240
tgaaaaanag  tatgtgtacc  acaagagctg  gttttaattg  ggtgaattgt  ttttgtcctc  300
attctgtaca  gaaatttgna  tatatgatgg  ttcttanaac  ttgttttaat  ttttgtggtc  360
cttctgntta  ttataatagg  ccgccaccaa  tgattatcca  tatgtgttct  taatttttaa  420
ctgctggaag  ngttaaaaca  cacacacaca  cacacacaca  tttttttgag  aactccaaag  480
ccctgaaaat  tttgngggac  aatgattttt  acottgcccc  ggcggtcntt  aaggggaatt  540
ccacn                                     545

```

```

<210> 407
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 244
<223> n = A,T,C or G

```

```

<400> 407
aaaatggaaa  aggcccctat  tgatacctcg  gatgtagaag  aaaaagcaga  agaaatcatt  60
gctgaagcag  aacctccttc  agaagttggt  tctacacctg  tgctatggac  tcctggaact  120
gccc aaattg  gagagggagt  agaaaactcc  tggggtgatc  ttgaagactc  tgagaaggaa  180
gatgatgaag  gcggtgggtg  tcaagctatc  attcttgatg  gtataaaaaa  ggacactgga  240
gtanaagtct  ctgatattgg  aagccaagat  gctcccataa  tactctcaga  tagtgaagaa  300
gaagaaatga  tcatttttga  accagacaag  aatccaaaga  aaataagaac  acagaccacc  360
agtgcaaaac  aagaaaaagc  accaagtaaa  aagccagtga  aaagaagaaa  aaagaagaga  420
g                                     421

```

```

<210> 408
<211> 556
<212> DNA
<213> Homo sapiens

```

$\langle 223 \rangle$ n = A, T, C or G

aaagagattt	attaaatcat	cttatcacaa	agatggaac	atatacaaac	tagaaacatg	60
caaccatcat	cttccacagt	caagtcacaa	tgtcaaatat	ttttcttgcc	tctgcagatg	120
aaaagttcag	atcttatacc	caactactta	ctcaccgccg	atattttaagt	cagtcttcct	180
gaaagtactc	agggtagcaa	gtaacaaaat	gcaaacgatt	atataaagaa	agtgcagtta	240
aaaaggaaac	tatgtggcaa	gtacctctct	tcccttccca	ccccccaatt	aaaggcaaac	300
aatggcactt	tgtcttggct	taacctagat	tgtcttcaaa	aactattaaa	atgtaaaaga	360
cttaacaaaa	aaacaaaaag	acgtttaaca	gatgtcaaaa	agtccttag	tgtttgaaaa	420
taaatgctta	aacaaaagac	aacatatatt	atatcaaaca	agtttgaaag	gccctgaatt	480
gcagcattct	gtaacataaa	caaacaaaaa	gctggtatag	ggattttatt	tcaaangcag	540
aatttcttca	ggcagg					556

<213> Homo sapiens

ccatcaacca	caaattggaa	atcaagtaca	tagattctgc	ggacttggag	cccatcacct	60
cgcaagaaga	gcccgtagc	taccacgaag	cttggcagaa	gctctgtagt	gctcatggag	120
tgctggttc	aggaggattt	ggtgttcgag	gaacagaagg	aaaaatccaa	gcaattgcct	180
gggctcggaa	tcagaaaaag	ccttttttgg	gcgtgtgctt	agggatgcag	ttggcagtgg	240
ttgaattctc	aagaaacgtg	ctgggatggc	aagatgcaa	ttctacagag	tttgacccta	300
cgaccagtca	tcccgtagtc	gtagacatgc	cagaacacaa	cccagggcag	atgggcggaa	360
ccatgaggct	gggcaagagg	agaacctgt	tccagaccaa	gaactcagtc	atgaggaaac	420
tctatggaga	cgcagactac	ttggaagaga	ggcaccgcca	ccgatttgag	gtgaatccag	480
tctggaaaaa	gtgtttggaa	aacaaggctt	gaagtttggt	gg		522

<213> Homo sapiens

$\langle 223 \rangle$ n = A, T, C or G

cacaaggaat	ctgcagcaac	ttcttaaaat	actgttaaca	tctttggggt	tgtgagggt	60
tgtagtaac	ttacatcaaa	tcctccaaa	agaagatctg	attagataga	tatgactaaa	120
cggttttgta	gtaataatcc	aattttacac	attaatttgc	tgttgcaaat	ctgccccaaag	180
ctacaggtaa	tgaaaaaataa	agcaagtgtg	aaatggatag	tctgacactt	aaaaatttat	240
acaaagtggg	agttaaagtt	tacatatttg	aaaatcacat	atacactaaa	ttaccattat	300
ctgaattttc	caaagacaaa	ttgcaccatg	acagctacaa	aaggcatagg	gtttgggttt	360
aagggcacaa	gaaggagggg	cagaggagag	gaaggggaca	acagataaat	taacaaagta	420
agaccaactt	ggtaagggtc	atctgagaca	tgctgacaca	aatgaaacag	ctttcatctt	480
tgaatcatan	gaaaaagaca	atcattttgt	atttgcgcat	aaaagtt		527

<210> 411
 <211> 549
 <212> DNA
 <213> Homo sapiens

<400> 411
 aaaaaaagaa gcaagttctg aagttcactc ttgattgcac ccacctgta gaagatggaa 60
 tcatggatgc tgccaatttt gagcagtttt tgcaagaaag gatcaaagt aacggaaaag 120
 ctgggaacct tgggtggagg gtggtgacca tcgaaaggag caagagcaag atcaccgtga 180
 catccgaggt gcctttctcc aaaagggtatt tgaaatatct caccaaaaaa tatttgaaga 240
 agaataatct acgtgactgg ttgcgcgtag ttgctaacag caaagagagt tacgaattac 300
 gttacttcca gattaaccag gacgaagaag aggaggaaga cgaggattaa atttcattta 360
 tctggaaaat tttgtatgag ttcttgaata aaacttggga accaaaatgg tggtttatcc 420
 ttgtatctct gcagtgtgga ttgaacagaa aatttgaaat catagtcaaa gggcttcctc 480
 tggttcccac tcatttattt gtaacttgac ttcttttttt ttcttgctta aaaatttcaa 540
 ttctcgagg 549

<210> 412
 <211> 550
 <212> DNA
 <213> Homo sapiens

<400> 412
 aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
 caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
 aaaagttcag atcttatacc caactactta ctaccccgga atatttaagt cagtcttcc 180
 gaaagtactc aggttagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
 aaagggaac tatgtggcaa gtacctctt tcccttccca ccccccatt aaaggcaaac 300
 aatggcactt tgctcttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
 cttacaaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
 taaatgctta aacaaaagac aacatatatt atatcaaaca agtttgaaga gtcctgaatt 480
 gcagcattct gtaacataaa caaacaaaaa gctggtatag gatttattgt caaaggcaga 540
 atttcttcag 550

<210> 413
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 16, 34
 <223> n = A,T,C or G

<400> 413
 ctgatcaaga ctggnacaa agtgggagcc agcnaagcca cgctgctgaa catgctcaac 60
 atctccccct tctccttttg gctggtcatc cagcaggtgt tcgacaatgg cagcatctac 120
 aacctgaag tgcttgatat cacagaggaa actctgcatt ctgcttccct ggaggggtgc 180
 cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggtgcatc agtaccocat 240
 tctatcatca acgggtacaa acgagtctg gccttgtctg tggagacgga ttacaccttc 300
 ccacttgctg aaaaggtcaa gg 322

<210> 414
 <211> 544

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 544
<223> n = A,T,C or G

```
<400> 414
cctggcttct tcgggatgct ccagaacaaa ggactaacag actactgctt tgactataac 60
cctcccgatg aaaaccagat tgtgggacac caggtcattc tgtacctctg tcatgggatg 120
ggccagaatc agtttttcga gtacacgtcc cagaaagaaa tacgctataa caccaccag 180
cctgagggct gcattgctgt ggaagcagga atggataccc ttaccatgca tctctgcgaa 240
gaaactgccc cagagaatca gaagttcatc ttgcaggagg atggatcttt atttcacgaa 300
cagtccaaga aatgtgtcca ggctgcgagg aaggagtcga gtgacagttt cgttccactc 360
ttacgagact gcaccaactc ggatcatcag aaatggttct tcaaagagcg catgttatga 420
agcctcgtgt atcaaggagc ccatacgaag agactgtgga gccaggactc tgcccaacaa 480
agacttagct aagcagtgac cagaaccac caaaaactag gcttgcattg ctttgaagag 540
caan 544
```

<210> 415
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 489, 515
<223> n = A,T,C or G

```
<400> 415
ccacgtccat cggagtgtcc ttctcggtgg ggcacggggt gcctgaggct gagaagaacg 60
caggggagcc cgagaacacc tatattctgc ggctgtttt ccagcagagg ttcaggccct 120
ctgtggttaa aagactgtat ccattgctgtg ctcaaggagg aactggcaaa tgctgaatat 180
tctccagaag aaatgcctca gcttacaaaa catttatcag aaaacattaa agataaatta 240
aaagaaatgg gatattgaccg atacaaaatg gtggtgcaag tagtgattgg agaacaaaga 300
ggtgaaggag tattcatggc ttctcgtctgt ttctgggatg ctgacactga caactatact 360
catgatgttt tcatgaatga cagttttattc tgcgtttag cagcatttgg ctgtttctac 420
tactgaatga atctttgaaa agctggtaaa agacatgacc atgaagaaat ctgaactttt 480
taatatgtnt aaatatcttg acaaaataaa gatgntagta gttcgaaaaa aaaaaaaaaa 540
aaaaat 546
```

<210> 416
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 102, 107, 122, 150, 161, 172, 226, 248, 269, 282
<223> n = A,T,C or G

```
<400> 416
ccgggacctc atcagccacg atgagatggt ctccgacatc tacaagatcc gggagatcgc 60
```

```

ggacggggtg tgccctggagg tggaggggaa gatgggtcagt angacanaag gtaacattga 120
tnactcgctc attggtggaa atgcctccgn tgaaggcccc nagggcgaaag gnaccgaaag 180
cacagtaatc actggtgtcg atattgtcat gaaccatcac ctgcangaaa caagtttcac 240
aaaagaancc tacaagaagt acatcaaana ttgcatgaaa tnaatcaaag ggaaacttga 300
agaacagaga ccagaaagag taaaaccttt tatgacaggg gctgcagaac aaatcaagca 360
catccttgct aatttcaaaa actaccagtt ctttattggg gaaaacatga atccagatgg 420
catggttgct ctattggact accgtgagga tgggtgtgacc ccatatatga ttttctttaa 480
ggatggttta gaaatgggaa aaatgttaac aaatgtggca attattttgg atctatcacc 540
tgatcat 546

```

<210> 417

<211> 375

<212> DNA

<213> Homo sapiens

<400> 417

```

aaataaaaaa tgcttattaa acactcctgc aaagatgggt ttattagtag cctgggtcatt 60
ttgttcaagg aagggttata ttgcattctc acgtgaaata taaaaagcaa gtcttgccca 120
ataaaaacgc tacatttgtgt gtattttttg ttcagctaag aattggaaaa gtatttgctt 180
gccttttaag ttactgacat cagcttccac cagtgtaaaa attgagtaaa acctgaagtt 240
ttgcataaaa tgcaaatcgg tgccgtgtgt tgaagggttg ttagagcat ctgacccctt 300
attaccacct taagcaatgt atatgccatg cattaccatg cactaattca atcacagggt 360
tttctatcta gattt 375

```

<210> 418

<211> 512

<212> DNA

<213> Homo sapiens

<400> 418

```

aaagtatatg gaagatgtgc aaagggttata tgcaaatact gtaatatatt atataaatga 60
cttgagcacc tgcagatttt ggtatccctg agagttcctg gaaccaatcc ccttcagata 120
ccaaggaatg actgtacatg tttggtagaa aactagttgt ctctacctag tctccattct 180
ggtcacttct ttagtttcct aatttcagag taaggccagt ctccctctgt gatggttaat 240
tttgtgtcaa cttgagtga ccaagggatg ccagataacc tggtaaaaca ttatttccac 300
gtgtgttggt gggggtgttt ctggaagtca ttgacatttc tactggtaga ctgagtacag 360
aagatccacc ctcaataatg tggatgggca tcagtccatt cagtgcacca tatgaaacaa 420
aaaggcagag gaaggacaaa atcagcctct ctgcttgttc tgggacatct attttctcct 480
gctcttggat atcagtacac ttgcttctct gg 512

```

<210> 419

<211> 539

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 538

<223> n = A,T,C or G

<400> 419

```

aaaaaagcac ctcttacct catatcacgt ttctctgaca ggtgttaaag taggcaatga 60
gtatgtcaac agcttgagca tcagcgtctt gcaaggactt cagaccaacc actcgccaaa 120
aatcttggca gctttttatc ttgtttttta tacaacggtg tatccactct gatggcaaac 180

```

```

ctatccagcc acatctccac aacaagcttt gcaaaatcag tgattagcaa attagtttagc 240
tttggcacgg agctgtgctc gcttgcccgt gacagcctgg aagccggttt tgatactggc 300
aacagaacat ctagaatgac aagtttcgca ctgtaggaaa tagagtcgtg tgtccttctg 360
caggattgtg tccggtgac ggcattgtgtg acaagtgaca tttccttga tatacttct 420
caagacattt tctatctgtt tctgttgga tcttcctttg attacaagtt ggttattacc 480
atctatagaa ccacttgtag ccaattcagc caacaaaaat gcaaggagat gttttggng 539

```

<210> 420

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 130, 137, 403, 412, 413, 418, 443, 455, 473, 481, 487,
490, 527, 536, 537, 538

<223> n = A,T,C or G

<400> 420

```

ccagcagtag ccanaaaaaa tgggcagcag caggtaaacc agccaggagg tggagtcctc 60
tgaaccacac gcagacccca cctcctgcc cagccctgc ccacattggg ggtcaggacc 120
actgaaactn tggtcangac agtgggtgct ctcagcagtg tggcaagctc agagcagagc 180
tccaaggac cataccacac tggttcaaaa cccatagggtg acaccatccc agcagaagct 240
tccatgggtg ctggatccca gggctgcac ctgagcacag gtgggcagac tggaacataa 300
cactaggacc caagggatcc agaacatttt aggcccatct cctgggctgc tccagcctgt 360
tgccatgact tgggcaagtg agtgggcctc cttgccaggt ggnagggcac anntttanac 420
caaacccttt ggcctcccc ttntgcagtt acctntgacc aaaaaggaac tancaagcct 480
ntgtgnaaan accatagggg ggggtgctgg gaatccttgg ggcggntgg ccccnnn 538

```

<210> 421

<211> 295

<212> DNA

<213> Homo sapiens

<400> 421

```

cctgggctcg cctggaccac aagtttgacc tgatgtatgc caagcgtgcc tttgttctact 60
ggtacgtggg tgaggggatg gaggaaggcg agttttcaga ggcccgtag gacatggctg 120
cccttgagaa ggattatgag gaggttgag cagatagtg tgacggagag gatgaggggtg 180
aagagtatta acctgtgtgc tgtactttta cactcctttg tcttggaaact gtcttatttt 240
tgttctgtaa atgtctattg ccgtaaattg ttaataaaat tgatgtttcc atttt 295

```

<210> 422

<211> 422

<212> DNA

<213> Homo sapiens

<400> 422

```

aaatggttac attgtaaact gttatataag tacctgataa tatcattaat tttgtttctt 60
ggcctgccat gcttaaaata ttaactctct ggccctttaa gaaaaaacg tgctgacccc 120
tgctctagat caaagaaaaa aaacctcaaa aatactttcc tccctctacc ccacttgacc 180
cttgctcccg ggcagtaggc atctccgtca aaactcttgt cctggtctg tggtaacttt 240
ctcagctccc caacccatgt cctcaaaagt cccctcccta tagggcaaga acccagcaac 300
ttcgctctgc ccgactcta ggcgggatgt agctcatttt gggatacgag tctccatcgt 360
ggagcctggc ttcttccgaa cccctgtgac caacctggag agtctggaga aaaccctgca 420

```

gg

422

<210> 423
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 423
 aaggtgctcc ttgccgccgc cctcatcgcg ggggccgtct tcttcctgct gctgccggga 60
 ccttctgcgg ccgatgagaa gaagaagggg cccaaagtca ccgtcaagggt gtatatttgac 120
 ctacgaattg gagatgaaga tgtaggcggg gtgatctttg gtctcttcgg aaagactgtt 180
 ccaaaaacag tggataattt tgtggcctta gctacaggag agaaaggatt tggctacaaa 240
 aacagcaaat tccatcgtgt aatcaaggac ttcatgatcc agggcggaga cttcaccagg 300
 ggagatggca caggaggaaa gagcatctac ggtgagcgct tccccgatga gaactttgcc 360
 aaacaccaca tgcttgccat ctagccaggc tgtcttgact gtcgtgatga agaactggga 420
 gccgttggtg tctttgcctg cgttgg 446

<210> 424
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 450, 531
 <223> n = A,T,C or G

<400> 424
 aaaaactgac taggtcaaaa atagttacgc ctgcagggtg acctattcag actttgccaa 60
 actcctccaa gttcaatata aattgacgtt ttcagagtac aaagtcaatt ttacggaaac 120
 gctgttcttc cttttccatg gagccaatct gggtaatctt ttcattaaaa ttcttcttct 180
 gccgttttgc tgcggaaactc tttgagctgc tgtagccgct cgatagtctc agaaatgggtg 240
 cgttccccgt ggaccttatt gtctcttggt cggatattaa cagtgccact gattttctct 300
 ttttcaccaa caactaaaat gaagttatac tgtgctaact gtgcatttcg aatcttttta 360
 ttcaatgtac agcctggatc cagatcaatg tctgccatga atttggcatc gtggaattgt 420
 tgtcgtacct tttgggcata ttcatcacan gttggtccca ctggaactac cattacctgg 480
 cgagggggaca gccaaaaggg ccttttgccc catagtttct gtgaggatag n 531

<210> 425
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 425
 ccttgagagc ccagcccttg catcagtgta gccctggacgt gaggcattga gtcaaaagag 60
 attatttttg agctttaaga ttcaatggct gccctgctgg gttttgaact tgcacgtggc 120
 ctgtagccct ctttgttttg cctgatttct ctcttttggg atgggagtgt ttagccaatg 180
 cctgtgcccc tattgtatct tggaaagtaac taacttggtt ttttatttta tagactcatg 240
 ggcagaaggg acttgccctg tctcagatga gactttggac tgtggacttt tgagttaaca 300
 ctgaaatgag ttaaaattta ggggactgtt gagaagagat tattgtattt tgtagtgtga 360
 gaaggacatg atatttgga ggggttgagg tggattata tggttt 406

<210> 426
 <211> 322

<212> DNA
<213> Homo sapiens

<400> 426
ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
atctcccccct tctccttttg gctggtcac cagcaggtgt tcgacaatgg cagcatctac 120
aaccctgaag tgcttgatat cacagaggaa actctgcatt ctgcttcct ggaggggtgc 180
cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggtgcac agtaccat 240
tctatcatca acgggtacaa acgagtctg gccttgctg ttgagacgga ttacaccttc 300
ccacttgctg aaaaggtaa gg 322

<210> 427
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 301, 305, 323, 328, 333, 339, 375, 381, 385, 391, 392, 397,
407, 412
<223> n = A,T,C or G

<400> 427
cctgttctgg gagatgggtca tattcacctg ccaaaatctg ctggaatcct ttgatgggtct 60
ccttcagggg taccagcttc cccatatgac ctgtgaagac ctcagcaacc tggaatggct 120
gagacaagaa acgctgtatt ttccgtgcac gggacacggt caacttgtct tcctcagaaa 180
gttcatccat acccaggatg gcaatgatat cctggaggga tttgtagtcc tgcaggatct 240
tttgaccccc acgggcaaca tcgtaatgct cactgccaac aatgttgga tccatgatac 300
nagangtgga agtctaaaag atncacacac ctnggccgng aacaccctta agggcgaaat 360
tccacaccac ttggngggcc ngtnncctaa nnggaanccc aaacttnggg ancccaaa 418

<210> 428
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 381
<223> n = A,T,C or G

<400> 428
aaatctagat agaaacacct gtgattgaat tagtgcacatg taatgcacatg catatacatt 60
gcttaagggtg gtaataagg gtcagatgct ctacagcaac cttcaagcac aggcaccgat 120
ttgcatttta tgcaaaactt caggttttac tcaattttta cactgggtga agctgatgtc 180
agtaacttaa aaggcaagca aatacttttc caattcttag ctgaacaaaa aatacacaca 240
atgtagcggt tttattgggc aagacttgct ttttatattt cacgtgagaa tgcaatataa 300
cccttccttg aacaaaatga ccagggtact aataaaacca tctttgcagg aatgggttaat 360
aagcatattt tatttacctt nggccg 386

<210> 429
<211> 452
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 356, 370, 386, 388
 <223> n = A,T,C or G

<400> 429
 ctgattcaga tcagagggaa agaaataacca accctgcaat aagtgtacta aactctacgc 60
 tctgggtaat gtaatgtact ctccctggact gaatgcagtg tataatttct gtctacagct 120
 agaagctgtg ccccagttcc acatttgatt acacatgtga gatttgctgc tgttgacgta 180
 taaacactag gtataatagg atttgaaaatt gcattacagt tcataaaaaat tgaaaatgag 240
 aaattaaacc tgcaagtgaac acatttgaaa cgattatact ttctacataa gacatgggtg 300
 ggacatcaga tacttacaaa gatgggttaa agtatggata ctagaaaaaa ttaagntctc 360
 tttctctttn gggttaatgga ttgggntnaa tttccattat gctatttgca taatcaaggc 420
 actgtaaadc ttataatttt acctgcccgc cg 452

<210> 430
 <211> 560
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 393, 403, 478, 505, 537, 539, 553
 <223> n = A,T,C or G

<400> 430
 aaaggtgata ggtgacttaa taattttcca ctttcaaaaat ggggtttctag acactgttgt 60
 tcatgaacca aaaacaaaca aacaaacaaa caacaacaaa acccaaacac tttggcaagc 120
 aaagtattat tagtacatag cagcttcata acagtttact tttttaatat aaagattttt 180
 caatttacac ttgtaggagt agaaaaaact aatatgctaa gtctgtaagc tacgcagcaa 240
 aaataatgat cttaatgaag ccagaattct gtgaaaatgt gcaccacact gcataatatag 300
 tagctgagta aatgtaaacc atgtgcttat taactcttct atataaaata ttgaaccccc 360
 aagctctccac attgccttct atgtccatt acnttttctt ganacagcct catgcttaag 420
 ccaatatata ttgctatttg aaaaagttct catctcatt ctaaaatgtt tctgtaanga 480
 cctgccgggc ggccgtcaaa gggcnaatcc acaactggcg gcgtctatgg accactngnc 540
 cacttgccga atntggcata 560

<210> 431
 <211> 429
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 394
 <223> n = A,T,C or G

<400> 431
 aaaatgttca ttagaaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
 ttctgtaaaa aggcagacca gggatgtaat gtttttaatg ttccagaagc ctaacttttt 120
 acacagtggg tacatttcac atttcaactaa tggtgatatt tggctgatgg ttgagcagtt 180
 tctgaaatac acatttagtg tatggaaata caagacagct aaagggtgtg ttggttagca 240
 tctcatcttg cattctgac aattggcaag aaaggagat ttcaaaaatta tatttcttga 300

```

tggtatcttt tcaattaatg tatctgtaaa agtttctttg taaatactat gtgttctggg 360
ggggcttaaa aattccaaac aaatgatccc tgcnttttct gaagatgttt acctcggggc 420
gcaccacgc                                     429

```

```

<210> 432
<211> 599
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 430, 444, 466, 500, 506, 515, 524, 537, 545, 564, 572
<223> n = A,T,C or G

```

```

<400> 432
ccaatactcc catttggttt tactggcggc atttgattgt attgatgata ctaagcttgt 60
gaagcagata atcatatcag aaattatcag ttcattgcct agcatagtaa atgacaaata 120
tggaaggaa gtcctattgt acttactaag cccagagat cctgcacata cagtacgaga 180
aatcattgaa gttctgcaaa aaggagatgg aaatgcacac agtaagaaag atacagaggt 240
ccgcagacgg gagctcctag aatccatttc tccagctttg ttaagctacc tgcaagaaca 300
cgcccaagaa gtggtgctag ataagtctgc gtgtgtgttg gtgtctgaca ttctgggata 360
tgccactgga gacgttcagc ctaccatgaa tgccatgcc agcttggcag caacaggact 420
gcctcctggn gggcaaggac gganaacttt cacattgcag aacatnctgc agggacatct 480
agttcttgaa gtggttaatn gagtangaat aaaangatga aagnaaaatg ggagaanaag 540
gttgntttgc aaaaacactt gtanaacatg tnggtatgaa aaacctgaaa tcttggtt 599

```

```

<210> 433
<211> 227
<212> DNA
<213> Homo sapiens

```

```

<400> 433
atagtctgcg cagcgtatgc acacgaactg caaaatatg gtgtgaaggt tggcctgaca 60
aattatgctg cagcatattg tactggcctg ctgctggccc gcaggttct caataggttt 120
ggcatggaca agatctatga aggccaagtg gaggtgactg gtgatgaata caatgtggaa 180
agcattgatg gtcagccagg tgccttcacc tgctatttgg atgcagg 227

```

```

<210> 434
<211> 613
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 417, 434, 484, 504, 522, 538, 540, 543, 557, 574, 580, 593,
601, 602, 611
<223> n = A,T,C or G

```

```

<400> 434
aaaaaatcat acggacaaac aactttcaaa caaaactgga ttagtaggat ttcttgcttg 60
cttaactaac atgacagact tcttgtccca agcccttctc agaaaaacct catgtggaaa 120
ccaagctaga gataagaatt ctccctgat gcagttaggg gaaagggaaa ggctagaaac 180
ttctttggca agcaattcca cacacagcca tttatgtgtg agtgctctgc ttcaagcaca 240
gtacactctt tgcagggacg gccagatgtt cagagtggga gtggtacttt tcaaccagct 300

```

```

aaaagtgcag aagtcattcta gtctgtctgcc tcttcccact gccagtgcct gcagcctttg 360
cagcaacttt taacccccct atggactgga atattgagtt taaaagccaa ggctganctg 420
gctgacgctt gtantctcca ttgaaaaagg aaatggatgg gatggaaccg agaaaccacc 480
agtnccctga tgaaccttca aaanacttag ggggggaaag anaaaggaag gatttcanan 540
atnggggaca gaatggnggg aaaatgttgg gctnactggn aaggaaatgg ggnttccctg 600
nntaatatgt nca 613

```

```

<210> 435
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<400> 435
ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtcc agcctcacag 120
tgacagccct gagctacagc ctctcccaaa aggcatcttc cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300
agaaaatgcc agaaacatct tt 322

```

```

<210> 436
<211> 267
<212> DNA
<213> Homo sapiens

```

```

<400> 436
ccaccctgga gcgctatgta gagacgcagg ccaaggaaaa tgcctatgat ctggaagcca 60
acctggctgt cctgaagctg taccagttca acccagcctt ctttcagacc acggtcaccg 120
cccagatcct gctgaaggcc ctcaccaact tgccgcacac agacttcacc ctgtgcaagt 180
gcatgatcga ccaggcacat caagaagaac ggccaatccg acagattttg tacctcgggg 240
acctgctgga gacctgccat ttccagg 267

```

```

<210> 437
<211> 625
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 403, 415, 421, 448, 452, 463, 468, 476, 486, 500, 513, 521,
528, 535, 536, 545, 572, 576, 597, 599, 613, 622
<223> n = A,T,C or G

```

```

<400> 437
cctgagaccc tcaacagtgc tgtgtgtaca gaaggccccc agaatccaca caaagggggc 60
gectgaaacc tagagcattt gtgaaggagg aaaatggaag gaacaactgg atgttgtaaa 120
tgtttctcat ctggccttaa aatccatgaa agctggaaaa tcacaaggca tctgtgcata 180
tactggtgga ttttaatgag agtctgtgt ttggagcacc agaaataaac cagcttcaga 240
agcaaagtta acaggaggag gaagcagagc tagagatgga aggagaccca gccagcccgg 300
gctccagtga catcggtctg tacacgcttt tgtttgctta cgcttggtga acttgagttt 360
ttatttttgt aactaacgaa tactggcaca tgatctgaac ctnttttgac actntttttt 420
naagcttgac ccagtggaag aaccttanga anggagaaac tcncccantc ttgccngggg 480
cacaanaatg atcattcttn aaaaattttc ctnggggagt naatgggnaa atttnncttg 540
ggctnttttt cccgattgaa gaaggaacct tnaagnaagg gtttggggac cccgaantnc 600

```

cggaacacccc cctacotta tnttt

625

<210> 438

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 421

<223> n = A,T,C or G

<400> 438

```

ggtgttaata ctttcaaagt tcttacaagg gataaacgct ttgtacccgg aggtggagca 60
acagaaattg aattagccaa acagatcaca tcatatggag agacatgtcc tggacttgaa 120
cagtatgcta ttaagaagtt tgctgaggca tttgaagcta ttccccgcgc actggcagaa 180
aactctggag ttaaggccaa tgaagtaatc tctaaacttt atgcagtaca tcaagaagga 240
aataaaaacg ttggattaga tattgaggct gaagtccttg ctgtaaagga catgctggaa 300
gctggtattc tagatactta cctgggaaaa tattgggcta tcaaactcct actaatgctg 360
cagtcactgt acttaaaagt ggatcaaaat catcatggca aaaaccagaa cttgcccggc 420
nggccgttca a                                     431

```

<210> 439

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 406, 427, 460, 462, 497, 499, 504, 513, 518, 527, 552, 553, 563, 572

<223> n = A,T,C or G

<400> 439

```

ccaagtcaaa attgggccca gcgtctttct ttctgtotta tgacagacca gcctccagcc 60
ttggtgtggt atctacatgt agccctgcgt accctgcttc tttttagcat tcaaggccca 120
ctcagggcct caaattagcc aatggtgaat atggatatag gaacttttaga gggatgcagg 180
ttgagttgta cataacttag aggtgaagtg caggtccgaa acagggctag actttggaga 240
actgtaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaactt 300
accttcttct gcaggctact tctggaaatc cctaggactt accagctttc tgaacactgc 360
gcatcatggg aaggtgaaaa agaaaaaggg ctagttaaaa tcttgntttt ctggggggcc 420
aacttangag gagcctaaag ctaacccttg ggcttgacan tntactttta cttactaca 480
ctgtgcaatg aatgccnang ccanataaac ctnggccnaa cacctanggg aatcaaccct 540
ggggccgtct anngaccact tgnccaaatt gng                                     573

```

<210> 440

<211> 303

<212> DNA

<213> Homo sapiens

<400> 440

```

cggaaaatgg tgaagaaaat tgaatcagc cagcacgccca agtacacttg ctctttctgt 60
ggcaaaacca agatgaagag acgagctgtg gggatctggc actgtgggtc ctgcatgaag 120
acagtggctg gcggtgcttg gacgtacaat accacttcog ctgtcacggt aaagtcgcgc 180

```

```

atcagaagac tgaaggagtt gaaagaccag tagacgctcc tctactcttt gagacatcac 240
tggcctataa taaatggggtt aatttatgta acaaaaagaa aaaaaaaaaa aaaaaaaaaa 300
aaa                                              303

```

```

<210> 441
<211> 525
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 97, 240, 273, 284, 359, 367, 384, 417, 424, 427, 436, 440,
441, 448, 451, 464, 476, 481, 487, 488, 509
<223> n = A,T,C or G

```

```

<400> 441
ccaacttata tgattttttt tttgtttttg tegtgtagtt atggcactgt cttattttgga 60
acatttgcag ctagggataa tacaacattt ttaactntca tttgacaacc tactactaat 120
cacagaccac aagggtaatg accaaattta tgtgggtttt gcactccata gttgtcttag 180
cccaatcttt ctatactctt acgattactt ggggttaacgc ttctgtgagg accttctggn 240
tcttgagata ccctaaatat ttaagatatt tanatatctt gaanatagta taggatatag 300
agattgtacc aaataggaat ataaggagta ttgttataat gaccagatcc cgtttgatng 360
ttttacntga cctaaccaaa tgtntggaaa aaggaaatca aaaccttgga tttttcnggg 420
gttnatncct ggggtgncaan nccgaaangg ntcccgaaaa ggcnttcctt tggttnaaac 480
ngggaanntg aaacaaaaaa ctttggggnt ttagaatcac ttttt                    525

```

```

<210> 442
<211> 83
<212> DNA
<213> Homo sapiens

```

```

<400> 442
ggagtttgca gtgagccgag atcgcgccac tgcactccag cctgggcgac agagacggag 60
agactccgtc tcaaaaaaaaa aaa                                           83

```

```

<210> 443
<211> 618
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 366, 382, 407, 433, 439, 477, 480, 485, 491, 502, 503, 509,
527, 539, 603, 607, 617
<223> n = A,T,C or G

```

```

<400> 443
ctggaggccc tgctgagctc cctgccccca ccccaaagcc agaaggaggc ccaagttgca 60
gcccgggttt ggagggagtt tgagatgaag cgaatggatc ctggcttctt ggacaagcag 120
gctcgctgcc actacctgaa gggtaaaactg aggcatctca agactcagat ccagaaattc 180
gatgaccaag gagacagcga gggctccgtg tacttctaag tgcccccgca gatgggcaga 240
gggatgcatg gggatgcagg tcccttgcat ttcttggtat ctctcagctt ttctctttgc 300
agctccccct accaggggtc gctttctctt ggattgcaaa tgcccttttc gtttggactc 360
agcttntgac acccctcttc angaaggcct accaccttta gaagtcnacc tgtgggcaat 420

```

```

gtgggtaccc tgncaagcnc aaaaaaaagt ataactggga gtgcccaggg ttaaaaaaan 480
aaatnccacc ngaacttggt cnnaatgang caccttaaaa attgttnccc cgaaaattng 540
ggcatggatt ccgtggaagg aacaaccctt aaacccaaaa agggcaaact ggccgggggg 600
gcntttnaaa gggcgant 618

```

<210> 444

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 362, 364, 379, 388, 408, 412, 415, 423, 428, 429, 445, 446, 447

<223> n = A,T,C or G

<400> 444

```

ccactttctt tcccacctgg gaaggcggca totatgaact cattggggag ttcatgaagg 60
ccagcgtgga tgtggcagac ctgataggtc taaaccttgt catgtcccgg aatgccggca 120
agggagagta caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt 180
cccgtgcat tcccctatgg gtcggagccc ggggcattga gtttgactgg aagtacatcc 240
agatgagcat agactccaac atcagtctgg tccattacat cgtcgctct gctcaggtct 300
ggatgataac acgctatgat ctgtaccaca ccttcgggcc agacctgccg ggcggggccgt 360
tnanggcaa attcaacana ctggcggncc gttactagtg gaaccanct tnggnacca 420
acnttggnt aatcattggt catannntgt ttcc 454

```

<210> 445

<211> 345

<212> DNA

<213> Homo sapiens

<400> 445

```

aaatgacgaa actcagcgga aatatattca gggattgaag aggttaatga ccatttgcca 60
gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180
caacaggaat gaggaagaa gaaaactgga gtttccagtc tctgagttct acccgatgta 240
actcttgatt ggttttaaga actttgttgg ctttcatttc atatctgact gcaagctgat 300
ttttctttct tgctttcatt ttaattaagt ccaaaattaa atttt 345

```

<210> 446

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 358, 366, 372, 391, 401, 421, 434, 436, 438, 444

<223> n = A,T,C or G

<400> 446

```

gcatttacgc attcctccag tcttaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa ctttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaacccta tgaatgtaag 240

```

```

gagtgcggga aagccttcag ttcttccagt tcttttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaa aggtgtccct tgttctcntc 360
tggaangaca tnaaaactta ccttggggga naaaaccctt ntgaaatgta aaaatggtgg 420
naagcaactt tgtntntnaa ggtnttaa at g 451

```

```

<210> 447
<211> 592
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 332, 399, 440, 452, 460, 477, 486, 492, 505, 515, 516, 546,
550, 559, 564, 571, 582
<223> n = A,T,C or G

```

```

<400> 447
aaaaatatat ggtcaggagg agactttaca gtttctcttt acaaacggta tataatggga 60
gaaatggcct tgtggcagag gacagtccca gacagcagcc ttgccacagc tcaagtagac 120
acagtcctta ctaagtctcc acgaagagca gtagctgggg agggcttctg atgctcttat 180
ttacaatccc acaatcactg ctctccttca agtctagcag tcccactgta tattgcaact 240
tgatcgtact aaagaccgac agcaaaggat acagccagtc tcgcctctgt gaagtgttgc 300
agagaacctg gagagtgcta atgaaaagct gntttaccaa aaaagttgcc acgggcaacc 360
tcatatactt taggcttatg tttagaaaag agcaagggnt gctacttggg agacacttgg 420
aaattccaaa gtgtttttgn gaataaaaat gntgtttatn gtaacttaag ggaaaantcg 480
taattnggac ancaaacatg gtggnttttc atgtnnatga agttagacaa gctgactccc 540
tctanaaan ctaccttng gccttttttg ngccaaatcc ontgaagccc ac 592

```

```

<210> 448
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 335, 346, 379, 400, 403, 404, 415, 423, 429, 448, 455, 463
<223> n = A,T,C or G

```

```

<400> 448
aaaggatattt gctcattggg ctggcttaga gacaggaaga catatgagca ataaaaaaaa 60
gattctttttg catttaccaa tttagtaaaa atttattaaa actgaataaa gtgctgttct 120
taagtgccttg aaagacgtaa accaaagtgc actttatctc atttatctta tgggtggaac 180
acaggaacaa attctctaag agactgtgtt tcttttagttg agaagaaact tcattgagta 240
gctgtgatat gttcgatact aaggaaaaac taaacagatc acctttgaca tgcgtttag 300
agtgggaata agagagggct ttttatttt tcgtncatac cgagtnttga ttgaagatga 360
ttcctaaaaa gctaaatgna aatatatttg cttcccaaan ggnntttatt tctgnccttg 420
ggngatgcna ccaaaaaccc cgaaagtngg aatgnaagtg atnccttttc 470

```

```

<210> 449
<211> 434
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature

<222> 390

<223> n = A,T,C or G

<400> 449

```

aaaaaaagaa gcaagttctg aagttcactc ttgattgcac ccaccctgta gaagatggaa 60
tcatggatgc tgccaatddd gagcagtttt tgcaagaaag gatcaaagtg aacggaaaag 120
ctgggaacct tgggtggagg gtggtgacca tcgaaaggag caagagcaag atcaccgtga 180
catccgaggt gcctttctcc aaaagggtatt tgaaatatct caccaaaaaa tatttgaaga 240
agaataatct acgtgactgg ttgcgcgtag ttgctaacag caaagagagt taccgaatta 300
cgttacttcc agattaacca ggacgaagaa gaggaggaaa gacgaggatt aaatttcatt 360
ttatcttggg aaatttttgg atggagttcn ttggaataaa acttgggaac ccaaaatggg 420
tgggtttatc cctt                                     434

```

<210> 450

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 506, 513, 518, 521, 526, 535

<223> n = A,T,C or G

<400> 450

```

ccacagctaa catcattgca gcacctttac tcttctgggt gtgatccaat ctccagctca 60
cttctttttg ccagcaccaa cattggcctt tgcagtcctc ctgactttct tcattctgtt 120
cttgcgcttc tttcggtgct ttcttgaggt cttttctctc tcatacagga catgtcttgc 180
aagtctatgt ttgggttcat tttcttttgc ataattccagg gaatcataaa tcattgcaaa 240
gccagttgtc ttgccaccac caaaatgagt tctgaatcca aatacaaaga tgacatccgg 300
tgtggtcttg tacatttttg ctagtttttc ccgaatttct gtcttaggca ctgtcgcttc 360
ccggggtgaa ggacatcaat gaccatttgt ttctcttgaa gtagtcgggt ggatcatgaac 420
tttctagtgc ggatagttac cggggtcgac ctcgcccgcg aacacgctaa gggcgaattc 480
caacacactg gcgggcccgt actagnngat ccnacttngg nccaanttgg cgaanaatgg 540
cataatgg                                     548

```

<210> 451

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 392, 397, 402, 406, 413

<223> n = A,T,C or G

<400> 451

```

aaacttgtga taggcatatc tatgaaacct ttgtaaattt agtttattgc tttaccatta 60
ttttactagg taaaattaga gaacagattt tgttctctaa tttttaagcc ttatttacat 120
atgcagaaac agcttaaaata ttttgactag attagacaaa cagttaatag atccaccatt 180
aggaatcaat atattatgct ataataaaca tctttttctt ttactgaaa tttcttttag 240
aaataaactt atttttgctt gttatgtttt gaaacttgac ataggatatt ttccctctgg 300
ctacacattc acctaccctt gttctctatt tagattattc aaataaagtt agtttgcttt 360
tatagtcaaa aaaaaaaaaa aaaaaaaaaa anttgggnccc cccccgggg gcnttaaaag 420

```


gggaaa

426

<210> 452

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 305, 310, 313, 315, 334, 336, 343, 352, 357, 362, 373, 377, 380, 392, 396

<223> n = A,T,C or G

<400> 452

```

ctgtctcagg atccaaggaa cgtttggggt ttcctagcta catctggtac cttggctggc 60
attatgggaa tgaggttcta ccactctgga aaattcatgc ctgcaggttt aattgcagg 120
gccagtttgc tgatggccgc caaagttgga gttcgtatgt tgatgacatc tgattagcag 180
aagtcagtgt ccagcttgga ctcatgaagg attaaaaatc tgcattcttc actattttca 240
atgtattaag agaaataagt gcagcatttt tgcattctgac attttaccta aaaaaaaaaa 300
aaacnccaan ttngncggag ggggggaaaa tcaantngtaa cctttttaac cntacanaag 360
gnngggggagc ttntaanatn gacottattg anacctctt aaaaaccatt 410

```

<210> 453

<211> 385

<212> DNA

<213> Homo sapiens

<400> 453

```

ggaacagctt atgtggtcta tgaggacatc tttgatgcca agaatgcatg tgatcaccta 60
tcgggattca atgtttgtaa cagatacctt gtggttttgt actataatgc caacagggca 120
tttcagaaga tggacacaaa gaagaaggag gaacagttga agcttctcaa ggagaaatat 180
ggcatcaaca cagatccacc aaaataaatg tttctacat tttcatttgg actaaatccc 240
acgaatgaca actaccacct tttttcctt ttttaattaat actaaatatt gtgatttctt 300
atgtgaggtt caaaatgacc tgcttgaac tttgatacat attggaatac attatgttaa 360
taaacttgta gctttttgtg aaact 385

```

<210> 454

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 398, 416, 421, 423, 429, 443, 450, 460, 465

<223> n = A,T,C or G

<400> 454

```

cctttatata catatgtcta cacataggga tttggatgat ctggggatcc cacatcctcg 60
ctgtccccctg tccccccgca acatccccc ccaatacctt tctgaagttt tctagtccct 120
cctttttgtt tgtgctcctt aaagcccagc cccatgcctg actttgggtc ccagtgagca 180
ttgtacattt gtggatatta aatctttggc aaagtcattt acctgggctg gaatagggct 240
cttggtgat tctttttcct aaacacccac ccaatgggag aggctgatac tcaacatgca 300
aaccttgtgt tttattttctc caggcgaagg gatgttgga gacattctgg aaggggtggg 360
gtgtgaagat ttacaaataa tctttgaata tctgcttnat gataggtctt ggaggngcct 420

```

ngnggggtgng ggtttggggg ganggggtacn aggaaattgn ggatntt

467

<210> 455

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 497, 530, 542, 543, 558, 592, 600

<223> n = A,T,C or G

<400> 455

```
gctncaatit caatgagacc ttttgcattt tttctcaaag cccttatgtt ctaacccatg 60
agaaccatit tacctgccct ctaagggcca ccagcttcga cctgcctcag gagacagcag 120
cacagaccag tggctccctg tccaaggccg cagagcagac gccatcccac tgtacaatcg 180
aatttgctgg acaaacttga taggtttctc tgcttagcaa cgagcctata gttagtggc 240
acatctgcgt tttggcatct gaggtcccca tctgagtggg ggagaaagtg ttgtgtttat 300
tagcaggaag tcttgtagaa acagctcgct gctgtgtatg tttatggatt tttctgatat 360
aacaagccag catggttacc gagtggtaga gattctcgaa cattctcaa ctctcttttt 420
tggtgaaatg aatggtgctt aaaaataaaa tttattaata aagaagggga aaaaggagta 480
actctccctg actaaangta ctctaattaa ttatttcttt ccaattaagn aaaccggaa 540
gnntgatttc atcacccnaa aatttttgaa ttttagggaa ctttttgccc cnaaagatcn 600
t 601
```

<210> 456

<211> 272

<212> DNA

<213> Homo sapiens

<400> 456

```
ccttacatta gaagccaagc caatcctttt tctttttttt ggaggtccca ccgagataga 60
taggaacttg gattgctgaa ttcaaaaaca gagcccatc ttaagatcac ttggtgcctt 120
aaagacacgc attccaaagt ggaatgtggt tgaagaaagt gggccaggtg gttgaagaaa 180
gccatgtggg agctcagcaa atcccaaggg cttattatga cactccagat ggtctcctta 240
gcatctcagc tcttctgcaa ggaagagcct gg 272
```

<210> 457

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 394

<223> n = A,T,C or G

<400> 457

```
aaaattttaga ttagcacacc ttactaatct gacagaacct ggattctctt gatattggaa 60
gaagatgaga gtggataccg gggaagtcac tagaagtatc tgctactctt ggctggacag 120
caggctgcaa acatattacc acttgatgga ggcacatgc tctggctgca atccgtgtgc 180
atcaggtacc agtaacaaag tggtagtgag aaatatcctc atgtcacata gatctcaata 240
tgccattggt caaggagggt gtccagaagg aaattaggac gttatcaagg atgaagctat 300
agtaaaaaata ctataaacia acctttcttg atgaggctta agggttattt agaggagtat 360
```

```
aaccttaaaa ataaagatga aaaatttatg aacngggctc ttgttttcat gatgagagag 420
tcgtgcagtc c 431
```

```
<210> 458
<211> 571
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 425, 490, 506, 526, 540, 541, 555
<223> n = A,T,C or G
```

```
<400> 458
aaaaacatta cttgaattag gattacacaa aaaaaactaa attctaagtg agcacaacta 60
tcgtcgagac cctgaaattt caggaaataa acatgggttca aaactcaaac tgttcatcaa 120
aataattacg caggtcagcc accactgcag aaccatcact gctcagagga attgagtcag 180
caatgactga tctcatcacc tcttcattag cacataagcg gttcaacttg ggatacgcaa 240
ggagtctctg cagaggtacg aaaaatttat ctccaacaca gaaggggtgtg ggagagtctt 300
ctatcttggc cttctcaacc tctgtgaaga ctgggtccaa gcatgggaca ggggcctttg 360
agccaccaat gtctttgggc ttatcacccc gttccccagc ctgttctttc cgcttggcag 420
gtggntcact cttaactttc acttggttggg acacctcatt accacacaag tttacctgcc 480
cggcgggccgn tcaaaaggcg attcnccac tggcgggcgt actagnggat ccgactcggn 540
nccaacttgc gaaanatggg catactgttc c 571
```

```
<210> 459
<211> 509
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 368, 382, 394, 416, 419, 421, 436, 443, 452, 453, 462, 463,
478, 492, 501, 502
<223> n = A,T,C or G
```

```
<400> 459
aaaaagagca cattccattc tgggtgcacac aaatgtacat taaaaataaa ataaaaaagt 60
gtaagagtac atttcaaggg aatccctgcc tctcccttgg ctgctggca aatgattcac 120
aaccaaaaca tttctgggat atgtgactta aggaataaaa aaactcagtg ttttataaaa 180
gggaatggca ggatgaggaa atgatttatc aagatacaat tttactaata attacttctc 240
aaataactta aaaatgtttt ataacaaaaa atcaaaatga aacaaaactt ggtagttgaa 300
tataagtatt ttcaactgtt acaatacttg aggagatttt tcggtotaat ttctcagaaa 360
ttaggccnaa agaatagctt tntttaacag aatnctaaaa aaatttcaat gtgaangant 420
natctaggat tacaanactt atnttttaca annacatcca tnntttotta aaatttantt 480
gttaggggtc tnaagttaaa ntagccttg 509
```

```
<210> 460
<211> 253
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
```

<222> 247, 248

<223> n = A,T,C or G

<400> 460

```
aaaggctttc tttgagctca tttgtaggct tatctaccta ctgagtaaag tagttgggtg 60
tcctaatttt attaatagga ttaattttta ttataaatca ttagagatgt tttgatactt 120
tagttaaaac tgcttttttag taaatttggt tttctttgca gatatgaggg aaggcaccat 180
tggagatatg gctatcctgg gtataacaga aagttttcaa gtgaagctac aggttcttct 240
gagtgcnnct gaa 253
```

<210> 461

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 396, 480, 501, 510, 534, 535, 545, 546, 555, 561, 564

<223> n = A,T,C or G

<400> 461

```
ccagcccctc cttgttccag ccggtgggtgt gacttcgttg gttgaggtgt gtctccaacc 60
tacatcagac catgaagttc aacccctcca gggaagctcc tgatttcccc tgcataattg 120
aaaataggat atttctcagc tattgaacag ttactaattt atgggggtgga aacagcatta 180
agaatactga atcaaatgga aaaacaaatg aatacaggaa gataagtgtt cgttcttttc 240
tgaaaaagag tatgtgtacc acaagagctg gttttaattg ggtgaattgt ttttgtcttc 300
attctgtaca gaaatttgta tatatgatgg ttcttagaac ttgttttaat ttttgtggtc 360
cttctgttta ttataaatag gcgtccacca atgatnattc catatgtgtt cttaattttt 420
aactgctgga agtggttaaaa cacacacaca cacacacaca cttttttttt ttgaaactcn 480
aaagtcctga aaaatttttg nggaaaaatn atttttactt gcccggggcg gccnntcaaa 540
agggnaatt ccacncatgg nggnccggt 569
```

<210> 462

<211> 402

<212> DNA

<213> Homo sapiens

<400> 462

```
ctgctgtttt cctggaatag tccttgagta atcccgcagg tacttgagga gttccatctc 60
aatggccccg ccaccagcca ccactgaatc attcttgatg gccctcctga cgatcatgat 120
ggcatcatgc agggaccgct ctgtctcctc cataaactgc tcggcgccgc cacggagaat 180
gaaggtgcat gtcttggcct tggggcagcc agtaaaaaaa ttgtacctct cgccctccat 240
ctgggtctct tcaaacacct ggcatcgacc cagcacatct gctgacagag cattcacact 300
ggctctggatt gagcctccac aggccatcat tgctctcttc agatcctcct caggtactcg 360
gccagcacag aacatgtccc tgtcagcaaa agtactgggt gg 402
```

<210> 463

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 359, 444, 469, 478, 503, 504, 510, 539, 554, 561, 563

<223> n = A,T,C or G

<400> 463

```

aaatTTtgta gccattctta tgatgctctt gatttgttgg ttacacaaat caatTTttatt 60
aaaaatccaa agataagtct ttaggtatat tttgtaccaa attaaattag aagataaaaa 120
ttgtgctttc atagttgcta caaaggtaaa taatggagag atttggtaaa aaacaacaaa 180
atatatatat attctcatat atatatatat agctgataaa attacctgag gagtgtaatg 240
tttatttttt tgtgtatatc tttgcaatct atTTttatata tattgacaaa agagactgtg 300
aaatacttag ccatgcagaa tatgtgacca gaccagagca tgtgtaggaa gactTTtacng 360
taatcattaa ctctccccga aatgatggac tacaagttat aatgtgtgtt acctacactt 420
caatcagtaa tattagcaaa tctncaaattg ttagtcacat tgggttggn ccccttgnac 480
atctttattc atggatttac aanngcttgn actggggggg cctTTttaac ttgggccgna 540
accccttaa gggnaattcc ncnactgg 569

```

<210> 464

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 213, 217

<223> n = A,T,C or G

<400> 464

```

aaataaattc acacaaagaa agagaaatag aaagcgacgg tagtgaccag caagaggaat 60
aataattaca ttcattctta tgtgtgtgtg ccagttctgt ttacattaac attggaaaac 120
tccagacctg gaatccagaa cctcaaattc gtgagtgga tgtcttgaga tgggcacgtg 180
gaagtcaaag ggTTtctctt tTTTTTTTT tntTTTnaaa a 221

```

<210> 465

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 371, 421, 476

<223> n = A,T,C or G

<400> 465

```

cctgctcgct gggcagacat accatgtggc tgtggtctgc tacctgaggt ctcaggtcag 60
agccacctac catggaagtt tcagtacaaa gaaatctcag ccccccacct caccagccagc 120
aaggctcagct tctagttcaa ccatcaatct aatggtgagc acagaacat tggctctcac 180
tgaaacagat atatgcaagt tgccgaaaga cgaaggaaact tgcagggatt tcatattaaa 240
atggtactat gatccaaaca ccaaaagctg tgcaagattc tggatatggag gttgtggtgg 300
aaacgaaaac aaatttggat cacagaaaaga atgtgaaaag gtttgcgctc ctgtgctcgc 360
caaaccggga ntcattcagt tgatgggaac ctaacgtggg tggacctcgg ccgcgaacac 420
nctaaggcga attccagcac acttggcggc cgtacttagt gggatccaac ttccgnacca 480
ac 482

```

<210> 466

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 136, 166, 172

<223> n = A,T,C or G

<400> 466

```
ctgcttggga ggctgaggca ggagaatcac ttgaacctg gaggtggcgg ttgcagtga 60
cacagatcat gccactgcac tccagcctgg gcaacaaaac gagacttcgt ctcaaaaaaa 120
aaaaaaaaaa aaaaanaccc tcgattttgg cccttggggg gggtncccc antttttttt 180
ggggggccat gg                                     192
```

<210> 467

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 368, 423, 429, 438, 450, 451, 471, 477, 481, 482, 483

<223> n = A,T,C or G

<400> 467

```
cctgctcgct gggcaagaca taccatgtgg ctgtggtctg ctacctgagg tctcaggtca 60
gagccaccta ccatggaagt ttcagtacaa agaaatctca gccccacct ccacagccag 120
caaggtcagc ttctagtcca accatcaatc taatggtgag cacagaacca ttggctctca 180
ctgaaacaga tatatgcaag ttgcogaaag acgaaagaac ttgcagggat ttcattattaa 240
aatggtacta tgatccaaac accaaaagct gtgcaagatt ctggtatgga ggttgtggtg 300
gaaacgaaaa caaatTTTgt ccagaaagaa tgtgaaaagg ttgCGctctg tgttgccaac 360
ccggatenta atgtgatggg acctaacgtg gtggactcgg cgcaacacct aaggcaattc 420
acnctgcng gcgtctangg atccactcgn ncaacttgcg aatatggcta ntgttcntag 480
nnnc                                             484
```

<210> 468

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 26, 374, 392, 415, 427, 442, 449, 450

<223> n = A,T,C or G

<400> 468

```
agaattcccc ttcgagcggc cgccngcag gtaaaggaaa cacaacctat ttgtgggagc 60
ttctttttaga tctacttcaa gataaaaata cttgtcccag gtatattaaa tggactcaga 120
gagaaaaagg catattcaag ctggtggatt caaaggctgt ctctaagott tggggaaagc 180
ataagaacaa accagacatg aactatgaaa ccatgggacg agctttgaga tactactacc 240
aaaggggaat tcttgcaaag gttgaaggac agaggcttgt atatcagttc aaggatatgc 300
cgaaaaacat agtggcatag atgatgacaa aagtgaacct gtatgaagat tagcaggact 360
ctgtgaaaat cttngaacga gtgcctgctg cnaaagctct gaacacatct tgtcnaggga 420
aaatctncct tactgtcaac anaaagggnn tgatggattc tccctggccag tttcagtcct 480
tccgtttg                                     488
```

<210> 469
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 286, 368, 392, 403, 408
 <223> n = A,T,C or G

<400> 469
 tgcagaattc gcccttttoga ggggcccggc cgggcagagt ccattaaagt gctggaaatt 60
 ttcttaatca tgataacatt tgttaaaaag aaatcagaac taatatcagg aacatggcgg 120
 catgaaggaa acagttccct tacaaaaacac agaaaatgga agcccctcat gttgaggggg 180
 tgggttggaac aatttgcaaa cagattctaa tttcctctcc cgtcagcacc aaactggctg 240
 ggaccaccac ccctgggtga aagaaacaac actaaagaac cctaanaaca cccacacacc 300
 ctgactccac cacctctggg catctgtggg cgtttgcttg tttgaacaga tccagtctca 360
 ggaaaganga agacctgcct cgcccgcacc cncataaggcg atnccacncc tgcgggcctg 420
 ctagtggatc gactcgtcca acttgcggtat atggcatget gttctgtg 468

<210> 470
 <211> 341
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 50, 154, 212, 213, 250, 252, 272, 278, 281, 300, 304, 311,
 326, 327, 334
 <223> n = A,T,C or G

<400> 470
 cagaattccc cttagcgtgg tcgcggccga agtctgcaat tacatcattn tttatctatc 60
 ttctgctttt actttgtgta gggtagggat ggggacttac aaatgggcca aagacacttc 120
 aaacctcaaaa ccaagagaaa atctctgctt gcanagatac aaagaaagta actctccctc 180
 ttatgaaaag caaccaggaa ctctactcca cnatgagggg cactgatggg gtgggagagc 240
 tatcaagaan antcttcta cagtgggcgc gngagacngt nagaactctg aaatcacatn 300
 catngacact ngctcttacc atcatnncac tctnttgat c 341

<210> 471
 <211> 509
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 313, 350, 370, 379, 383, 384, 391, 400, 401, 405, 428, 472,
 491, 493, 508
 <223> n = A,T,C or G

<400> 471
 cagaattcgc ccttagcagt ggtcgggcc gaagtctgag cgatgataga tatcatcatg 60
 cactggtcgg atatgtgcc tctggaaaga gatcagcctg gttccccagg gggatccatg 120

```

tcatatgcct ggtatacaact ttgtgggttca cgtacagttc gttgggggtca gaggaatctt 180
tagcagcatg ggggttccga gtgcatctga cctggagacg aaactgtaga gtatctatct 240
ctgtgccttc ttcatctcct tggttccgat actcaaaaag acgggggatca gcatgaatgg 300
gaatgagccc canacggtga gcaagaatct cattctgaca atggatgatn attgtcccag 360
gaccttctcn cagccatant ggnncctcac ntacaaattn ncganagcat tgccatggtg 420
gtaatccnca tgcaactcag gagtttatcc tgtgtctcat cccccgaatc tntcaagcgc 480
ctgtccagct ntntaccgat agccggang 509

```

```

<210> 472
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 19, 31, 360
<223> n = A,T,C or G

```

```

<400> 472
cagaattccc cttcgagcng ccgcgcgggca ngtcacagcaa gtcaagtggg aatcaaaaact 60
ctgctagagc cagaacgaaa ctccctcata atcacgtctc gttccttttg gtccatatct 120
ccatgcatgg cggatacagt gaaatctcga gcatgcatct tctcggtgag ccagtcacc 180
ttcctccggg tgttgatgaa gatgactgcc tgggtgatgg tcagggtttc atacaagtca 240
catagtgtgt ccagcttcca ctctctcgt tccacgttga tgtagaactg gcggataccc 300
tccaaggtca actcttcctt cttgacaaga atccgaatgg ggccctcatg aacttcttgn 360
cacctcaagc 370

```

```

<210> 473
<211> 80
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 25, 45, 50, 55, 66, 67, 68
<223> n = A,T,C or G

```

```

<400> 473
cagaattcgc cttagcgtgg tcgngccga agtcaagctt tttntttcn tttntcttc 60
caaaannntt ttttttttt 80

```

```

<210> 474
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 387, 394, 399, 402, 410, 414, 423, 429, 431
<223> n = A,T,C or G

```

```

<400> 474
gcagaattcg cccttagcag tggtcgcggc cgagagtctg acctgacttt gctttaagtc 60
attctttttt atgccagcac tgtttgaaag tgcattgtcaa gcggctagct ccacatttgg 120

```



```

tcttcgaaag ggaaacgcat gcagttaaaa cgtaatgtac atgatggaat tgggaggatc 180
atagtctcag tttccccccc cttttctccc atctaggaga cctccatgga ctgcagcaaa 240
attaaaaata aagcacagac aacagaatta ttcttctactg agagagttta atatgcgttt 300
ctaacacccat ctatacttgc tttgttggtc ttgaagcatc aacacacatt ctggtattcc 360
agactaaagc tcttgtggtg ctactcngtt taanagatna ancatactan cttnctgttc 420
agnagtttnt nttaattttc cctactctta gtcagggact cagaaggatc agcgctggat 480
aaccatagaa gtccagttta ggaaaagcca cg                                     512

```

<210> 475

<211> 61

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 26, 28, 33, 37, 45, 49, 51

<223> n = A,T,C or G

<400> 475

```

gcaaaaattc gccottaaag agagtngngg gencgnaac acaangcang ncgcgcccca 60
c                                                                 61

```

<210> 476

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 337, 387, 392, 407

<223> n = A,T,C or G

<400> 476

```

gcagaattcg cccttagcag tggtcgcggc cgaagtaaac ttcagctcag tttcttaacc 60
aagaaccacg tcaaccctcc agggttgtgg tttgtatttt tgcctttaag cattatctcc 120
tttccaccaa gaagcctact taggtttaac acatgaaggc agtgtctaaa aattagatcg 180
gtcctaaatt ggaatgggat gtcttccttg catgtcccat accagggaat ttttttaaca 240
cacagtgtag agcctttgcc agagatgttg aaaggagat taaaggcttg agggatgaat 300
ttgatcatca ttcttaaagt ccttcaatcc tgtgatnctc tgattccctg agtctcgta 360
ttttggacat gcctagccag taccagngac cngccgcttt tgggtggnttc cttgatacgg 420
agagctatac acatgccttg t                                     441

```

<210> 477

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 25, 311, 322, 327, 343, 351, 352, 356, 362, 369, 371, 383, 397, 400, 406, 408, 420, 426, 430, 433, 458, 460, 461

<223> n = A,T,C or G

<400> 477

```

gggttaaagcc atttacataa tatangaaag atatgcatat atctagaagg tatgtggcat 60
ttatttggat aaaatttctca attcagagaa atcatctgat gtttctatag tcactttgcc 120
agctcaaaaag aaaacaatac cctatgtagt tgtggaagtt tatgctaata ttgtgtaact 180
gatattaaac ctaaattgttc tgctaccctg ttggtataaa gatattttga gcagactgta 240
acaagaaaaa aaaaatcatg cattcttagc aaaattgcct agtatgttaa ttgctcaaaa 300
atacaatggg ngattttatg cncctgncgc tataacatcc ctntttcatg nngatncaat 360
antgagtant ntagaacctc ttntaggaat tatagtngcn cagaananct tgtttcttgn 420
catggncaan ttnatctttg ccttgggggg acgccacgn nggtcggcgc 470

```

```

<210> 478
<211> 123
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 31, 32, 40, 54, 68, 80, 89, 93, 99, 106, 107, 114, 118
<223> n = A,T,C or G

```

```

<400> 478
tgaggtngg tgccgttgaa gtccatccgt nntctccan tcctcttgat catnatgaca 60
tttgttnc aagaaatcan aactttcgc atntccgng ggcgcngaa tganacanct 120
ctc 123

```

```

<210> 479
<211> 63
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 29, 42, 45, 49, 52
<223> n = A,T,C or G

```

```

<400> 479
ggtcaccngt tcaccaggcc gtgtggccnc cctctcagca tntgntgant tncggaccat 60
ttg 63

```

```

<210> 480
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 319, 321, 326, 337, 349, 384, 388, 399, 408, 421, 432, 440,
450, 457
<223> n = A,T,C or G

```

```

<400> 480
aaatcatacg gacaaacaac tttcaaaaca aactggatta gtaggatttc ttgcctgctt 60
aactaacatg acagacttct tgtcccaagc ccttctcaga aaaacctcat gtggaaacca 120
agctagagat aagaattctt ccctgatgca gttaggggaa agggaaaggc tagaaacttc 180
tttggcaagc aattccacac acagccattt atgtgtgagt gctctgcttc aagcacagta 240

```

```

cactctttgc agggacggcc agatgttcag agtgggagtg gtcttttcaa ccagctaaaa 300
gtgcagaagt catctagtn ngctnttcc actgccttgc tgcagcttna gaactttaac 360
acccttggtt gaatttgagt aaancagntg actggtgcnt ggggctcntg aaaggaatgg 420
nggggtggacc gnaaccccan ctgatacctn aagattnngg aagag 465

```

<210> 481

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 263, 272, 333, 335, 338, 349, 358, 360, 377, 389, 395, 403,
408, 415, 416, 421, 428, 431

<223> n = A,T,C or G

<400> 481

```

aaaatttaga ttagcacacc ttactaatct gacagaaacct ggattctctt gatattggaa 60
gaagatgaga gtggataccg ggggaagtcac tagaagtatc tgtcactctt ggctggacag 120
caggctgcaa acatattacc acttgatgga ggcacatgc tctggtcgca atccgtgtgc 180
atcaggatcc agtaacaaag tggatctgag aaatatcttc atgtcacata gatctcaata 240
tgccattggt caaggagggt gtncagaaaag anattaggac gttatcaagg atgaactata 300
gtaaaaatct attaacacacc tttcttgata agntnaangg tatttaaang aggtaacntn 360
aaataagatg aaaattntga ccgggggtnt tctnttgaga ganactgnag caccnccgg 420
ngccgtcnaa ngggatccac cctgctgc 449

```

<210> 482

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 27, 270, 315, 319, 320, 335, 367, 374

<223> n = A,T,C or G

<400> 482

```

atctcttctt cctcaagagt caagctnngc tcccttcttg cggcccaagg gcagcgcata 60
gtgggactcg taccactgtc ggtacgggtg gctgtcgatg agcacgatgc aattcttcac 120
cagggtcttg gtacgaacca gctcggtatt agatgcattg tagacaacat cgatgatcct 180
tgttttacga gtacaacact ctgagcccca ggagaaattc cccacgtcca acctcagggc 240
acggatattc ttgttacctc cccgcacacn gactgtgtgg atgcggcggg ggcaatcttg 300
gtgttggaac cctngccnn aacacgctta gggcnattcc acacactggc ggccgtacta 360
tggatcnact cggnccaact tgcgtaatat ggcatactgt t 401

```

<210> 483

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 137, 165, 166, 203, 214, 217

<223> n = A,T,C or G

```

<400> 483
ctgagctcgc ctgnaccaca agtttgacct gatgtatgca aagcgtgcct ttgttccactg 60
gtacgtgggt gaggggatgg aggaaggcga gttttcagag gcccgtagg acatggctgc 120
ccttgagaaa gattatnaga gaggttggag cagatagtc tgacnngaga ggatgaggg 180
gaagagttaa acctgtgcgc tgncttttac actnctntgt ttggaactgt 230

```

```

<210> 484
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 36, 293, 397, 415, 416, 439, 450, 462, 486
<223> n = A,T,C or G

```

```

<400> 484
gcagaattcg ccctttcgag cggcccgccc gggcangtaa aaggattttt atctttcgtg 60
ataaactttg ctgtgtacca ggaactataa aaacaaaaac ttgttactaa agaaaatatt 120
tgaaatgtga taagtcttta tgccatgtta atttcatgtg tcaacttcaa catttacatg 180
tattatttca ttatgtaaaa tgtttttagca atttaatat ttgcacagtt agcaaacttt 240
gtatgtcatt tccttcaagg catcatgcag agttgacatg agatttataa ggntttaagt 300
tgtttgcag tgaaaatcaa atacatactt tggtagcttt gaatacaaag catctgctct 360
tggtttcaag aattttgaga cacaagtgg atgtaangaa tatattaatt gccgnntcta 420
ggagattgct caaaagagna atcacttatn tgtcaatgat antggaactg ggaattcttt 480
gtgcangttg gattcatt 498

```

```

<210> 485
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 192, 263, 275, 288, 291, 347, 354, 365, 379, 385, 395, 413,
422, 445, 446, 458, 473
<223> n = A,T,C or G

```

```

<400> 485
gcagaattcc ccttagcgtg gtcgcggccc gaagtccatt gtctgtgaag tagagggaat 60
cacggagaga ggagccaagg gggaagccag tcgccggctt gaagagtggg gaggtgaagt 120
ccacggctct cctgacgaac tccaggtccc cggcgccctgc cccatagggg aagagggaat 180
ctcctctctc angcaggatg gggatggggg caggtgaggg gctcacagcc tcgcgaaggt 240
ggagaagggc aggggcagga gangctgcgg aggangggca cgggtgcanca ngccgtgggg 300
actgcatgca ctctcctggg gtcacatgcc cacagcacct cgtgacnaag cacngaccca 360
aaagnggggt gtcgtgctnt gccngattt actcnttgct aaaccggta ccntccaatc 420
tntggctgct ggcctgect tttcnntttc atggtggnog gccctgcttc cancttctt 480
ttctttcatg g 491

```

```

<210> 486
<211> 518
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> 22, 33, 60, 348, 357, 384, 408, 423, 446, 448, 491, 510, 517
 <223> n = A,T,C or G

<400> 486
 gcagaattcg cccttagcgg cncgcccggg cangtgggat cgcaaggctg aggatgccan 60
 agagggacta tgaaaaagcc atgaaagaat atgaagggga ccgagggcag tcttctaaga 120
 gggacaagtc aaagaagaag aagaaagtaa aggtaaagat ggaaaagaaa tccacgccct 180
 ctaggggctc atcatccaag tcgtcctcaa agcagctaag cgagagcttc aagagcaaag 240
 agtttgtgtc tagtgatgag agctcttcgg gagagaacaa gagcaaaaag aagaggagga 300
 ggagcgagga ctctgaagaa gaaaactacc agtactccca cagctcanaa gactcancgt 360
 caggatccga tgagtagaac ggangaaggt ctctttcgtc tgccttnac cccccgctc 420
 ccnccatttt tgggccagtt ctctcntnaa tgcctcctgg ttctggcctc tgacatctct 480
 ctgtggtgtg ntgcctaggc agggggaacn ctacttnt 518

<210> 487
 <211> 519
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 331, 386, 403, 410, 417, 433, 441, 518
 <223> n = A,T,C or G

<400> 487
 tgcagaattc gcccttagcc gtggtcgcgg cccgaagctg agagaggtgc tttcattgat 60
 caaagccaat ctttgaacat ccacattgct gaggctaact atggcaaact cactagtatg 120
 cacttctacg gctggaagca gggtttgaag actgggatgt attatttaag gacaagacca 180
 gcggttaatc caatccagtt cactctaaat aaggagaagc taaaagataa agaaaaggta 240
 tcaaaaagagg aagaagagaa ggagaggaac acagcagcca tgggtgtgctc tttggagaat 300
 agagatgaat gtctgatgtg tggatcctga ngaaagactt ggaagaacca gcatgtcttc 360
 agtagccaac tacttcttga gcatanatag gatagtgggt tgnttgaggn ggtaagnttt 420
 gctggccctg ttnaggcaaa ngagaattga ttacctgccg gcggccgtca aggcgaatcc 480
 accactggcg ccgtctatgg tccactcgtc caactgcnt 519

<210> 488
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 310, 361, 388, 394, 400, 401, 404, 424, 426, 432, 465, 467,
 470, 482, 491
 <223> n = A,T,C or G

<400> 488
 gcagaattcg cccttagcag tggctcgcgc cgaagtataa tactttatct agccaaatgg 60
 tttcttgaat cttagctaca gagaaatttt tacattaaag aacatcatga ttatcacaac 120
 aacttactta gcacttgctg gtactaagtg ctgcactaag acattgtagt ttccagtgtc 180
 ttgaaccaac ctgggaaaaa tatcagtggt gagggttcag tgtttgtata tggaggatgg 240

```

tgcaaaactga attattccca taaagctgct tggtaattcc agagaaagca cacagccacc 300
ttctcattan aaggagggta gggatagggtg ttatgggtgaa aaactgagat gctgtggatc 360
nagggcagaa gacctaaaga aatctctntc cttntgagcn nccntgtgga ggactcgacc 420
tctncnatgg gnetgggagg acatcaggcc atttcttcga tgatntngan cccagaggag 480
cnettgagc nggtaataat tg 502

```

```

<210> 489
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 349, 381, 429, 440, 452, 464, 467, 479, 495, 506, 507
<223> n = A,T,C or G

```

```

<400> 489
gcagaattcg cccttttcgag cggcccgccc gggcaggtaa aggaaacaca acctatttgt 60
gggagtttct tttagatcta cttcaagata aaaataacttg tcccaggtat attaaatgga 120
ctcagagaga aaaaggcata ttcaagctgg tggattcaaa ggctgtctct aagctttggg 180
gaaagcataa gaacaaacca gacatgaact atgaaacat gggacgagct ttgagatact 240
actaccaaag gggaattctt gcaaagggtg aaggacagag gcttgatat cagttcaagg 300
atatgccgaa aaacatagtg gcatagatga tgacaaaagt gaacctgtnt gaagattagc 360
aggactactg atgaaaaatc ntagaacaat gcctgctgca gaaagctctg aaacacatct 420
ctgtccagng gaaaaatctn cctatactgt cngacagaga agngantag agtgtgatnt 480
ccttctctggc cgatnttatc agctcnn 507

```

```

<210> 490
<211> 480
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 336, 384, 397, 405, 415, 417, 439, 467, 470, 478
<223> n = A,T,C or G

```

```

<400> 490
ccaattatgc ccctgcaaag aacaggaaga agactgctgc aggcagggca tcagtggttt 60
ttgtggacag aaccctggat ctacagagg cagttggaca tcatggagac aacttagtag 120
agaagatcat ttcagcactt cccagctccc aggccacaca aatgatgtga tggttaacat 180
gatagcgctc actgcactcc atactgagga ggaaaattat aatgtggttg caccaggctg 240
tctttcaciaa tccagtgaac ccacagccaa agccctatgg gaagctttct gaacactaag 300
cacaaagaag cagtgatgga agttcggaac atctantgga agcggcagca gagaaacctg 360
ccatcagatg agtatgggag agtncaccgg acagctntgt ccttnttcac tcttnanaca 420
cctaaactct atgaatatng tggctctcac ttgactggac tgccgngngn taaggcantt 480

```

```

<210> 491
<211> 476
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> 301, 421, 429, 463, 464, 469, 474, 475
 <223> n = A,T,C or G

<400> 491
 agttgtcata atgcaaattt tatttttgatt agtttttgtg actcctttat cttaaaccoca 60
 gcgatgcttg ccacttccca aggtgtaaaa atgtgaagat taaggtaaac tgaatgtcga 120
 ggagtgtaaa gagatggcaa aacacagata aaaacatcca aaaagcctct gggggcaggt 180
 caagcttatg attcaacagt tagaaaacca aaattacttg gacatcccct tctacttaaa 240
 gtgatatact ggaattgaaa atattaactg ttagtttttag aaactaagat tcttgaagta 300
 ngctcattcc agaatgcttt cttttttctt cctgaacaat tacatcaact tagatatacct 360
 aatgttattt tagatatact ccttaaagca ttatgtcacc ctttcgagat gagaaattac 420
 ntactaatna cttacattgt cttagactgg tttgtagata ggnncaagnc tagnng 476

<210> 492
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 326, 393, 402, 446, 451, 452, 477
 <223> n = A,T,C or G

<400> 492
 gtggaggagg aatcacgaca tcattcataa ataactgtgg agtctgggat gctggctgaa 60
 ggcattctcca ggaaggactg gagggcgatt ttgctaaagg gctgctcact gctcatttca 120
 ctgcatgccg cttttctcac tttggttggg agtttgaagg accatgtaat cacagagatt 180
 agagctccct gtgaaatcaa tcaactgcctt tagatctcca caaagacctg ttctccaata 240
 gcacatgcgt ttctctgtga gctgtattcg catcagcgcc ggacctcaga aagaatgcgt 300
 gttacactct gtactctcca atgggnatat ttatcataga aatctaatac atattcttca 360
 gtcttgaatc caacttctgg acagtacata gcnggggtgct tntgaacgtg aaaggtacgt 420
 cttgccttca ggctgccaaag atgganaatc nngataaatg gaaggactcg gccacnccc 480
 t 481

<210> 493
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 399, 448, 459
 <223> n = A,T,C or G

<400> 493
 cgaagtctgt ttacagaaat atagttgcga agtatacaaa tgttccaata gaagcaaaat 60
 atcttttttaa tattttaacaa gttatcacag atagctaaaa acatagatgc aaatgaaatt 120
 cccccagaga acaaactgaa aatatctggt atcagtgctc tgaaatccca actatgaaag 180
 ccatatacac aaaaatgtaa cccttatatc attgcaggac aatggaagaa ggcagttcag 240
 ttggttgatca gtgtgctcaa gcaaataaaa ttaaataaaa attaaaaatg gcagaatggt 300
 agctaaccct tgagaacagg gtaatgaaat tattgggtcta tacttaaaaa ttaagtaaaa 360
 gaaggaatga actcattact gcccgcgccg cgtcgaaang gcaattcaca cactgccggc 420
 gtctagtggt cgactcgtcc acttgggnat atggcatant gttctgtg 468

<210> 494
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 37, 39, 79, 94, 96, 107, 134, 135, 299, 312, 327, 340,
 371, 372, 383, 391, 394, 406, 407, 413, 419, 423, 448, 449,
 452, 466, 471, 475
 <223> n = A,T,C or G

<400> 494
 tgcagaattc gccctttcga ggggncgcc cgggcangng tcacctcttc taatctttta 60
 atgtatttgt ttgcaattnt ggggtaagac tttntntatg agtactnttt ctttgaagtt 120
 ttagcgggtca attnngcott tttaatgaac atgtgaagtt atactgtggc tatgcaacag 180
 ctctcaccta cgcgagtctt actttgagtt agtgccataa tagaccactg tatgtttact 240
 tctcaccatt tgagttgcca tcttggttca cactagtcac attcttggtt aagtgcctnt 300
 agttttaaca gntcactttt tacagantat ttaactgaagn atttattaaa tatgcctaaa 360
 atcttaaacc nnaaaaaaaaa aangaaaata ntonctaaaa aacctnngcg ganccttang 420
 ggnaatccac cctggcggcg gtctaggnnc cnaccggcca actggngatc nggcntctgg 480
 t 481

<210> 495
 <211> 476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 322, 367, 374, 393, 430, 475, 476
 <223> n = A,T,C or G

<400> 495
 tacattgtac agggctaggc aacctgttc ttcccagaca gccatattaa atgaaagcca 60
 ctaaagtga cttttaatta cataaaacat atccattatc tgattgcoct ttaggaagta 120
 tactgaagat gcaagttttt ttcactctga gttctgcctg accaagaatt aagcctataa 180
 atctatcttg ccattcaagc agagagcact ggacaaactg aagcacaaaa acaaataagc 240
 aaaacttata caaacagcat gggggttggg ggtgaggac ttaaaagtag acatgctaca 300
 cctaattgcaa gaacagcttg gnttctttgc cagatatcct tgtgacacat ggattgagat 360
 caatggntct acanggatct aaaatgcatg ttntgatatg actaaagagc ctctggatgg 420
 actcggcgcn accgctaagg cgaatccacc actggcggcg tctatgggat cgacnn 476

<210> 496
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 277, 343, 354, 440, 447, 458, 460, 463, 470, 473
 <223> n = A,T,C or G


```

<400> 496
ctgaaagaag cccaagtaca cgtatcctct ccagacatctt gcaattggca tggaagacag 60
ccccgattta ctggctgcta gaaagggtggc agatcatatt ggaagtgaac attatgaagt 120
cctttttaac tctgaggaag gcattcaggc tctggatgaa gtcataatctt ccttggaac 180
ttatgacatt caacagttcg tgcttcagta ggtatgtatt taatttccaa gtatattcgg 240
aagaacacag atagcgtggt gatcttctct ggagaangat cagatgaact tacgcagggg 300
tacatatatt ttcacaaggc tccttctcct gaaaaaccga gangagagtg agangttctg 360
agggaactct atttgtttga tgtcttcgcg cagatcgact ctgtgccatg gcttgactga 420
gagccattct agacatcatn tcttctntct gctctgcn cn gantgaaatn canaatgg 478

```

<210> 497

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 205, 246, 253, 292, 322, 333, 342, 345, 356, 386, 389

<223> n = A,T,C or G

<400> 497

```

cctggtcacc tctgtagcct actcttatga cacatgggtg gaggcaaggg taaccagagt 60
ccttggttctt tcttttgatt ggggtcatcc agcccttcg atgtgtggtc agggagcaga 120
gtcactgata ggatgttgag acttgagat caggaccaga cttttcccca ttcttgcatc 180
tggcctgtgc ttgggcagga cctcnggtga aggatgatct tggaatcacc cttttgtcag 240
ccccangaaa gantggctgg agtggcttct acaaacttct ctcattactt tncctcatgg 300
aactaagcct tatgtcatgt tntagaacac ganactgaac tncanagagt gctcanagac 360
accaggacac ctggcttctt ctttgntgna taaatgcac 399

```

<210> 498

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 62, 314, 357, 389, 391, 398, 470

<223> n = A,T,C or G

<400> 498

```

ccaaagcagc cagggaagag tgccctgtgt ttacaccgcc cggaggagag acgctggacc 60
angtgaataat gcgtggaata gacttttttg aatttctttg tcaactaatc ctgaaagaag 120
cagatcaaaa agaacagttt tccaaggat ctccaagcaa ctgtctggaa acttcttttg 180
cagagatatt tccttttaga aaaaatcaca gctctaaagt taattcagac agcgggtattc 240
caggattagc agccagtgtc ttagttgtga gtcacggtgc ttacatgaga agtctgttga 300
ttattttctg ctgncttaag tgccttcca ccactctgag cagatctgac ttatgtnagt 360
cactcccata cagggatgag ctcttatcnt nactttgnga agaagaaagt aaccacggtc 420
atgttttgtt gacctcagga ctctaattgc tgctgactcc taggtaattn t 471

```

<210> 499

<211> 65

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 9, 10, 15, 22, 35, 38, 60
 <223> n = A,T,C or G

<400> 499
 cccntaann gagtnagggt cnattcacca gagcngtncg ctccccctct atcatgcatn 60
 tatca 65

<210> 500
 <211> 343
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 133, 159, 182, 225, 229, 238, 260, 287, 288, 299, 309, 314
 <223> n = A,T,C or G

<400> 500
 cctacccatt ctccctagttt cttgtttgtca tcaaccttaa ttaggttgat ttggtgttca 60
 gcacaaaagg cctccaccaa cttgacatac ataggctcat cacagttgga tgcaagcaca 120
 caaagatggg ctnggcgcct tttcctaagt ttccggtang acggatgcca ttcagaactt 180
 tngcgtaac accatgaact ccatgccttc ttccctgggt ggcangttnt gttccggntg 240
 caagaacca cagtattgan actgatacac ttacttgtct aaagctnngg cagcttcgng 300
 aattcacngn ctangccatc ttggtgaagg cagtcttaca acc 343

<210> 501
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 50, 284, 314, 317, 381, 384, 391, 445, 458, 464
 <223> n = A,T,C or G

<400> 501
 tgcgagaatg aagactattc tcagcaatca gactgtcgac attccagaan atgtcgacat 60
 tactctgaag ggacgcacag ttatcgtgaa gggccccaga ggaacctgc ggagggactt 120
 caatcacatc aatgtagaac tcagccttct tggaaagaaa aaaaagaggc tccgggttga 180
 caaatggtgg ggtaacagaa aggaactggc taccgttcgg actatttgta gtcattgtaca 240
 gaacatgatc aaggggttac actgggcttc cgttcaagat gagnetgtgt atgtccttc 300
 ccatcacgtg tatncangag aatgggctct tgttgaatcc aaattcttgg tgaaaattat 360
 cccagggtcg gtgagacaag ngntttgtca natctcacc aaagataat aatcttgaag 420
 aatgcattga cttgttcaat tacgntttga tcacaacnca catn 464

<210> 502
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 278, 287, 320, 335, 346, 357, 423

<223> n = A,T,C or G

<400> 502

```
ctggcctttc tagtcaagaa gactaaggtc aatatggaag tagacataag gaaaatagtc 60
ttggttattg agttgcagtc ccgggatctc cacagatgca tccagtatac ttgtagcggc 120
tacttcatcc agatgtcggg agacagagtt tagaacctct cttaaacgct tgggtggatga 180
cttcttatgc ggcctgcagga gcaactgctgg aagttcactg gtagtccata cctgagcacg 240
gactccacaa acactctcaa ggcttgatgt ggatccangc aatgaangct tcaactgaagt 300
tcaccttgac cagcgcacac ggggcctcac cctcnacctc ggccgnaaca cgctaanggc 360
gaattcacac actgcgggccg ttctagtggg tcgactcgtc caacttggcg taatctggca 420
tantgtt                                     427
```

<210> 503

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 320

<223> n = A,T,C or G

<400> 503

```
gtcctgttct gggagatggg catattcacc tgccaaaatc tgctggaatc ctttgatggg 60
ctccttcagg ggtaccagct tccccatatg acctgtgaag acctcagcaa cctggaatgg 120
ttgagacaag aaacgctgta tttcccgctc acgggacacg gtcaacttgt cttcctcaga 180
aagttcatcc ataccacagga tggcaatgat atcctggagg gattttagt cctgcaagat 240
cttttgacac ccacgggcaa catcgtaatg ctcaactgcc acaatgttgg gatccatgat 300
acgagaggtg gagtctagan gatccacaga ctcggcgcgc acacgc 346
```

<210> 504

<211> 77

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 13, 34, 46, 48, 62, 67, 71

<223> n = A,T,C or G

<400> 504

```
gtccgttaaa cnntcacgag cgatcccat aacnctgatg tcgagnagnag aggataaata 60
tngagancca ngtcaca 77
```

<210> 505

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 319, 349, 354, 376, 391, 396, 407

<223> n = A,T,C or G

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```

<400> 505
ccattaaagt gctggaaatt ttcttaatca tgataacatt tgttaaaaag aaatcagaac 60
taatatcagg aacatggcgg catgaaggaa acagttccct tacaaaacac agaaaatgga 120
agccctcat gttgaggggg tgggttgac aatttgcaaa cagattctaa tttcctctca 180
ccgtcagcac caaactggct gggaccacca cccctgggtg aaagaaacaa cactaaagaa 240
ccctaaaaac acccacacac cctgactacc accacctctg ggcatctgtg ggcgtttgct 300
gttgaacaga tccagctcng aaagaagaag actgcctcgg ccgcaccnc taanggcgaa 360
ttcacacact ggcgncgtt ctatgatccg nctcgncaa cttgcgnaat ctggctactg 420
ttctgtgcgg                                     430

```

```

<210> 506
<211> 508
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 21, 51, 334, 337, 346, 394, 395, 405, 484, 493, 496, 502
<223> n = A,T,C or G

```

```

<400> 506
tgcagaattc gccctagggg ngtcgcggcc gaggtttttt ttataaaact nttattattc 60
tagcaataat aatgtgtgtt aatttttagga atatagaaaa tacaaacaag caaaaggaga 120
aaaatcattc ataatccac caccgagagg ctgtactttc tttcatcctt cacaagttat 180
gtccatatat gtaatatata aatgtctttt tacctttcaa aaatatgata ttcacatatt 240
acttagcctt tttccatttt atatcttacc aagaacctct tttttacaaa tgtgtaaagt 300
tcttttatta aaagacagag acttgtagat tggncanaat acaatnaaca atgagatgca 360
gatacaagag atcatctaaa ccattaatag cacnnggtat aagtngaatt ggccaaggat 420
atcaggaatg ctataaaagc aactattgga ttgtattcga taaatcagga actcataata 480
gggnaggtgg tcntanctca cnatcctt                                     508

```

```

<210> 507
<211> 477
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 294, 420, 425, 430, 455, 466, 467, 477
<223> n = A,T,C or G

```

```

<400> 507
aaatcctcct tgtcctaatt ggctatgttc ctaacttggt ttctatcact acagtgaatg 60
ctgcaatact gatataagaa aaaataaaat aaaatagtaa cctctgtctt aatgtacagt 120
ttccagaatc tgccagaact ggggaactgg gcaacaaggc gttcataagt cttccgtgct 180
ttgtctatag gttgattcta aaattgaaaa ccaataaaca gcatttaca tgtaggatt 240
atgaaaatat tattcactgc agaaccaagt agtgtgattg gaccataga gaangaaatg 300
taatctattc actaaacctg tgccctctga atgagatgct caagcatcaa ggcataatga 360
tctctctaatt tctttccgtt tcttcacctt ctctgggaca tactcagact gccgggcggn 420
cgtcnaaggn gaatccacac ctgcgggcgt ctagngatcc actcgnncaa ctggcgcn 477

```

```

<210> 508
<211> 172

```

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 11, 16, 18, 26, 61, 68, 85, 91, 93, 97, 103, 110, 115,
119, 125, 132, 135, 141, 144, 145, 154, 165

<223> n = A,T,C or G

<400> 508

```
ccccccnaaa naaagnangt tacaanttca ccagagccgt ctgttgcccc ttccggctat 60
ncatctcnat atctctagat acccntaata ntnagtntaa ttncccatan attgnaatnc 120
ggtanatata tntcnaaata ncgnnacaat tgcncataat tctangatat ca 172
```

<210> 509

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 312, 314, 334, 441, 451

<223> n = A,T,C or G

<400> 509

```
ctgttttacag aaatatagtt gcgagtatac aaatgttcca atagaagcaa aatatctttt 60
taatatTTTaa caagttatca cagatagcta aaaacataga tgcaaataaa attccccag 120
agaacaaaact gaaaatatct ggtatcagtg ctctgaaatc ccaactatga aagccatata 180
cacaaaaatg taacccttat atcattgcag gacaatggaa gaaggcagtt cagtgggtga 240
tcagtgtgct caagcaaata aaattaaata aaaattaaaa atggcagaat ggtagctaac 300
ccttgagaac angntaatga aatattggtc tatncttaaa cattaagtaa aagaagtga 360
tgaactcatt actgccgggc ggccgtcgaa aggcaattca cacactgcgc ccgtctagtg 420
atcgactcgt ccaacttggc natctggcta ntgtttc 457
```

<210> 510

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 222, 296, 398, 426, 440, 461

<223> n = A,T,C or G

<400> 510

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tcttgatttt ttgtcttatt ccaactaagt agatcattat ctctttcctt ttttatgtta 60
atgagagaat ttagcctcca ctcaacaatg ttcaattcag caaggctttc atatccttgc 120
tgtgggtcgt ggataaggag cttattcagg ttctctgccc tagctattag ctccacttca 180
catgctggag accggcgtag ggacagatgt attcatcctg gngttactga aaaacaggtg 240
tgatcctggt actgatacta taagtgcact aaaatgcact gttcaaatta gccagngtct 300
aacaaactaa actcttcaaa tgcttggaaa gatctacaaa gcaatcttat agaatgggcc 360
aaataaacta tgtgtttgca tggatttgta actccaangt cctggttctg ccgtgtctgg 420
agtgcncctg ctgggcaagn tcttggctgg tgagactgtg nctttcccta 470
```

<210> 511
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 46, 65, 390, 394, 406, 415, 447, 451, 482, 508
 <223> n = A,T,C or G

<400> 511
 tgcagaattc gcccttaaga gagtcgcggc ccgaagngtc cggtcnctga aaggatttat 60
 gtttntcttc gttagataag tgacttctga gcaagctgat ctcccctggc atgctccaac 120
 ctgattggac aaaggaagct ctatggcctg ggagagagac tattcttaat ttttctttct 180
 tacaaaaact gatTTTTCCC ataaatattt ttacttcaga ggactaggac cattttgttt 240
 tgggcccttc tgctgaaaat ttgctcgttt aagaggcagc tagaatcttt accatatgta 300
 tgaatttgta taattcattt ttggataggg ataaactttt gcttctgata aaagctggaa 360
 ttcatctggc ctacagcat gcgtgtgggn cttnctgagc ccgaanaggt ttggnaagat 420
 ctgggatggc agtggttagct ttctganaga nacatacaga actgtcatct taagacctct 480
 cntggatctc tttcagagat gcagtggntg agg 513

<210> 512
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 33
 <223> n = A,T,C or G

<400> 512
 tgcagaattc cccttcgagc ggccgcccgg cangtgaacg tgtgatcacc attatgcaga 60
 atccacgccca gtacaagatc ccagactggc tcttgaacag acagaaggat gtaaaggatg 120
 gaaaatacacg ccaggtccta gccaatggc tggacaacaa gctccgtgaa gacctggagc 180
 gactgaagaa gattcgggcc catagagggc tgcgtcactt ctggggcctt cgtgtccgag 240
 gccagcacac caagaccact ggccgcccgt gccgcaccgt ggggtgtgtcc aagaagaaat 300
 a 301

<210> 513
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 18, 47, 156, 254, 262, 315, 318, 330, 332, 338, 348, 354
 <223> n = A,T,C or G

<400> 513
 aaaaaagggtg cgggccantg caggggacac tgaaggattt gaggcangaa aactccgcga 60
 taagagctgt ctatatggcc ctgtggcaga agcacggggg acacgacccc atggaactgt 120
 gtccattaaa cctctttgtc ttcataaatt acccantctc gggatattct ttattagcag 180
 cgtgagaaca gactaataca gtaaattggt aatggtatag agtgggggtgc tgctataagg 240

```

atacctcaaa atngngaagc anattttgaa ctgggtaaca ggcaaaggct ggaacagttt 300
ggagggctca aaaanaaanac agggaagacn tnggaaantt ttggaacntt ctnaaaa 358

```

```

<210> 514
<211> 519
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 361, 399, 405, 413, 425, 427, 434, 446, 461, 477, 489, 499
<223> n = A,T,C or G

```

```

<400> 514
aaataatttc ttaatttata tgaaataaag acaaccata tagtagactt acaaatatc 60
tatttcgcat tatattcaag actaaacatc ttccaaacca tattcatgaa atggtttgat 120
gatatgtgct ttggcgggtt tcaagaaata tcaatcaaac cgtaattaaa tttcaacgta 180
tcgggctaaac atccactgag cacctcctct tgcagttagc attagactaa gtgcttaagg 240
acaagtagtt tgatgcaata aattaggaaa tacatatatta agacttatat tattcacaga 300
attcttggca tagttattta agttccttct gttgagaacc ttgagggttg gggtttcttt 360
nttcagtcct aaagctccgt tttgagtctc ccccttgng aattnagggt tgnaggccgg 420
cggangnctt gtnccttttg ccctgncaat ggctcgcg naccctagga aatcagnctg 480
cgcgctctgng accactcgnc cactgcgata tgctgtgtt 519

```

```

<210> 515
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 361, 362, 367, 376
<223> n = A,T,C or G

```

```

<400> 515
aaagatcaac ttttattgta acaaataata agtcatcaat gttttacaaa ttgtcaaaaa 60
tgctttaagt acaaaaaata cattagtaaa atgaaagtta tgttgtatta tttggtatac 120
acttaatact gccaacatgc ataacacatg ccagaaaagc tcatgcatta ttggaagaga 180
aaagaaatgt gatgtaactg ctatatgtc tgattataaa ttcattgctt cagtcagttt 240
tctttcttca gggataccat ttacctgcaa tgtgtaagaa tgaatatggg caggagttag 300
tcagggcacg gatactttta gattttgagc caagcaaatt attgcaagga gaaaagttcc 360
nntttcntaa ttccanggaa aataatacat tgc 393

```

```

<210> 516
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 370
<223> n = A,T,C or G

```

```

<400> 516

```

```
<210> 519
<211> 572
<212> DNA
<213> Homo sapiens
```



```

<220>
<221> misc_feature
<222> 397, 424, 431, 446, 495, 497, 504, 510, 519, 526, 539, 551,
558, 567
<223> n = A,T,C or G

<400> 519
ctggagacct tcaaagctgt gcttgatgga cttgatgtgc tccttgccca ggaggttcgc 60
cccaggaggt ggaaacttca agtgctggat ttacggaaga actctcatca ggacttctgg 120
actgtatggt ctggaaacag ggccagtcct tactcatttc cagagccaga agcagctcag 180
cccatgacaa agaagcgaaa agtagatggt ttgagcacag aggcagagca gcccttcatt 240
ccagtagagg tgctcgtaga cctgttcctc aaggaagggt cctgtgatga attgttctcc 300
tacctcattg agaaagtga gcgaaagaaa aatgtctacc cctgtgcttg taaagaaact 360
tgaaaaatth tgccattgcc attgcaggat ttcaaanaat gaatccttga aaaatgggtg 420
ccanaacctg ncccgggccg ggccgnttca aaggggogaa atttccagcc cacttgggcc 480
ggcccgthta cttangnggg aatncccaan ctttgggtna cccaancctt tgggcccgtgna 540
attcattggg ncattaanct tggtttcccc tt 572

<210> 520
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 189, 271, 286, 300, 307, 311, 315, 363, 370, 373, 384, 400,
403
<223> n = A,T,C or G

<400> 520
gccctgggta tgattgggct ctctcagcgc ttgctgtccg tgttgctcctt tggcaagaga 60
ggacgggtcct aggattgcat cagtctggtg gtctgggtgga gcggtggggg tgctggactg 120
ggtagagggc ccagggttct gacctgggtg gatgatgggt gaatggctct gaactctctg 180
ctccctctnt cagtgtctct tgggcttcta tggagcttcc ctcttggtct ggaaacctct 240
tttccatctt ggaaatgcct ctgcccacat ntgggaagtg ccatanccct gagtgaattn 300
atttgtntat ntatnaaatc tttttcttct ctccaggatac atcattcaact ttttggggac 360
ctnaaagaan ctnattaact gatnaatttg tgaaaactaan aant 404

<210> 521
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 344, 349, 351, 375, 385, 421, 432, 443, 449, 471, 497, 548
<223> n = A,T,C or G

<400> 521
cctcaccaag tcttggctgt ttctagctag ctctataaac ttttttcagc ctctgttcat 60
taccagttc caaagctgct tctacatttt cagatatttg ttatcagcaa aaaccccacc 120
tcttgggtacc aatttttcagt cttactctgt tttctgatgc atatagcaga atacttgaaa 180
ctgtataata tataggaatc aaaatgtatt tctacagtt acaaaggctg ggaagtccaa 240

```

```
<400> 524
aaaaagacac agtgggcaat aagaatttgc cctatgactc ctgagaaaag ggacatccta 60
aaatggaact actgaatcca accatgtggt tacaatatat taggaatcac tctgtttcaa 120
ctttaagatt ctattaattt attcttacaa caaataacca gtgggtttat tctatgggct 180
```

```

aggtattcat ttagatgcta ggggtacagt agtgaacaaa acagataagc agtcctgctc 240
ttgtgaatgc atctgacaat acatttgaca attcaaactc ctctctctcg ctctcataac 300
actgacctag tatttgaaac ctgatgtaac taattaacag attaactatt aggtaccctt 360
ctgaatgata ctctaagcac acatatncta ttccagaaag aaaaanggta ngaaaaaagt 420
ttttgggata gcttaaaata ttctcncccc caaatagctt ggggtcttca aacagaattt 480
ctggatcacc ttcaatttcc cgcttttatt caaaaanggc attgtgggtt aactttttta 540
acctttgggg cgggnaacc ccccttaang gggcgaaatt tccancncc acnttggggg 600
ggccggttnc cttagtgggg aatccccnaa ctttnggggn ccccaaanct ttgggc 656

```

<210> 525

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 306, 307, 313, 316, 317, 329, 335, 343

<223> n = A,T,C or G

<400> 525

```

attctctgta cgcccaggga aagcggcggt atgacaggaa gcagagtggc tatgggtgggc 60
aaactaagcc gattttccgg aaaaaggcta aaactacaaa gaagattgtg ctaaggcttg 120
agtgcgttga gcccaactgc agatctaaga gaatgctggc tattaagaaga tgcaagcatt 180
ttgaactggg aggagataag aagagaaaag gccaaagtga ccagttctaa gtgtcatctt 240
ttattatgaa gacaataaaa tcttgagttt atgttcagaa aaaaaaaaaa aaaaaaaaaa 300
aaaaannttt ttncnncccc gggggggcgt ttaangggga aantcccccc ccctgggggg 360

```

<210> 526

<211> 53

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 39

<223> n = A,T,C or G

<400> 526

```

tattacaatt cactggccgt cgttttacaa cgctcgtgga cctaactggc tct 53

```

<210> 527

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 331, 342, 344, 365, 369, 380, 385, 419, 420, 424, 453, 474, 483, 495, 512, 513, 529, 532, 533, 539, 544

<223> n = A,T,C or G

<400> 527

```

cctctgagga agggacaaaag gagctgggac cggactggct ctctccgagc tttgagacca 60

```

```

agtctcctgc acagaaggcc cagcaaaggc aaagactagg aggcagcagc accctgtgtc 120
atccagaagt gcaggggaca aggtgtggga cgccagatgg aagtgggaga ggatggaagt 180
gtgaagaccg gaaaggccat cccctcctaa aactccatgg acacaacaat ctgaatgtgc 240
gaacttcagg cagttctaac ttgtgccag ccaaaccagt cccggaacaa aacacacaat 300
gccttgagat ggaaaagact gaaaccoccta naatgactta tntncgtaat tttattcttc 360
ccccnactng ggcttcttgn ggaanaaaaa attttgcttg gaaaagaaaag cttaaaacnn 420
attnccttga gggtttttta cccttcggcc cgngaaccac cctttaaggg gcgnaatttc 480
canccccact tggnggggcc ggtttcctta gnngggattc cgaaacttng gnncccaanc 540
cttnggcggt aaat 554

```

<210> 528

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 339, 415, 431, 470, 476, 488, 492, 512, 518, 520, 526

<223> n = A,T,C or G

<400> 528

```

ctgagatacc cctgctgctg tgtcaaggaa agggctttat ttgtgaattt tgccagaata 60
cgactgtcat cttcccattt cagacagcaa catgtagaag atgttcagcg tgcagggctt 120
gctttcacia acagtgtctc cagtcctccg agtgcccccg gtgtgagagg atcacagcga 180
ggagaaaact tctggaaagt gtggcctctg cagcaacatg atgcccctga gtactgtgaa 240
aaagactgtt caacatgcct tatgataaca ccgatttgtg tctattattg gtgacattgt 300
tttagatatt gggatttgta tattaaggaa aaagatggnc tatattctct ttattggata 360
tacttaatgg ttcaaaaagaa tgcaaaatct tgggtttaac ccaggggctg atagntgggg 420
gttttggtta ncaaattgtc tggtttgggt gctattgggt ttttaacttn ggccgngaac 480
cccctaangg cnaaattcca acacacttgg cnggccgntn cttagnngga atccca 536

```

<210> 529

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 345, 366, 396, 416, 417, 446, 461, 473, 535, 538, 539, 556,
559, 574, 585, 601, 603, 619, 627, 634, 640, 647, 670, 681,
695, 697, 702, 707, 709, 712, 717, 728, 733, 738, 752, 757,
758

<223> n = A,T,C or G

<400> 529

```

aaaaatataa cacagtcaat ataaacatgt actgggaatt ataaaccatt ctttcttcta 60
agcactggat gagatactaa aaacatacag tatcttacca atagccatta aaataggcta 120
aaatgaaaaa gaaaccgttg taacaagggt actaatcccc caactttcaa tgctgagttc 180
cttcatcadc catgtgcaat ccagagatga catctagcag ggtggtaaaa ttattctgga 240
aaatgccaac tgtacttaga caaaaataagt taattctata tggttgtcca ttaaagtttt 300
atgtggctat ggttccactg gagctaaaaa ttggctttta actgnttccc aaatcaagaa 360
ctagongaag gagaagaaa taaattaaag ccaatnggca cttccctttc agaagnntca 420
aaaatgggtt agaaattttg atgcanaatt taacccttaa ncggaagttt cangtcagtc 480
cattttaaga atgaatccct ggtaggggtt cattaccaaa ataccacott gaaanccnnt 540

```

```

tgggggttttaa acttcnttnt ttccctttcc cttnaaaagg ttttnttgga ttaaaaggaa 600
nancctctttt cccttggtnt ttggggnagg ggancttggn cattaangtt caaaaatttg 660
cctcaaaaan ggggtgggaa nggacccttt aaggncnagc cngaaantna tnaaccnact 720
ttttttancc ccnggctnac actaaaactg gntgtannct ggaaccct 768

```

```

<210> 530
<211> 745
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 400, 402, 430, 451, 500, 509, 524, 541, 563, 572, 603, 611,
626, 634, 668, 723, 728, 732, 738
<223> n = A,T,C or G

```

```

<400> 530
aaactccact gctgaccctg agtgcatctg ctatcccctc acctattttg ttttgggaca 60
aagtctcgct ctgtcaccca ggctggagtg cagtggggca ctctcagctc actgtaacct 120
ccacctcctg ggttcaagcg attctcatgc ctccagcctgc caaatagctg ggattacagg 180
cacatgccac aaagcccggc taatttttat attttttagt agagatgggg tttcaccatg 240
tcggccagcc tggctctggaa ctcttgccat caagtgatct acctgccttg gcctcccaaa 300
gtgttgggat tacaggtgtg agccaccacg ccccgggcca aagccaaaag gtcttggaag 360
gggggacttc attcccatca ttgaagggtc ctaccctttt tngaacctta ttcttaaact 420
ttccccttan ccaaaagggc ccccattttt naaaatccaa tccacaattt gaaggggtta 480
aaggggttcc aaccacatgn aaatttttng gggggggaaa acangtcccc attcttttaa 540
ncccaaattg ggcaaatttt ggngcctttg gnaaccccca cttcttgggt caacctttta 600
aangggggga nttgggcctt tttgtngcca aatngaacag ggttttttcc acatggtggg 660
gcctttttaa aaaaaattcc cttttgtgtt gaaacaaaaa accttgcccc gggggggggc 720
ccttttttaa anggggcnaa aattt 745

```

```

<210> 531
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 39, 375
<223> n = A,T,C or G

```

```

<400> 531
ccagcttcga gaaagagttg agaagttaaa catgctcanc attgatcatc tcacagacca 60
caagtcacag cgccttgcac gtctagttct gggatgcata accatggcat atgtgtgggg 120
caaaggtcat ggagatgtcc gtaaggctct gccagaaat attgctgttc cttactgcc 180
actctccaag aaactggaac tgctctctat tttggtttat gcagactgtg tcttggaag 240
ctggaagaaa aaggatccta ataagccctt gacttatgag aacatggacg ttttgttctc 300
atttcgtgat ggagactgca gtaaaggatt cttcctggtc tctctattgg tggaaatagc 360
aaaacttgcc cggcnggccg ttctg 384

```

```

<210> 532
<211> 589
<212> DNA
<213> Homo sapiens

```

<210> 535

<211> 438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 345, 346, 361, 385, 391, 394, 396, 409, 428
 <223> n = A,T,C or G

<400> 535
 cgagacagtt actcaagcag ccgaagtgat ctctactcaa gtggtcgtga tcgggttggc 60
 agacaagaaa gagggcttcc cccttctatg gaaagggggt accctcctcc acgtgattcc 120
 tacagcagtt caagccgcgg agcaccaaga ggtgggtggcc gtggaggaag ccgatctgat 180
 agagggggag gcagaagcag atactagaaa caaacaaaac ttgggaccaa aatcccagtt 240
 caaagaaaaca aaaaaaagag tggaaactat tctatcataa ctaccaagg actactaaaa 300
 ggaaaaattg tgttaccttt ttacctgcc cggggcgggc cgctnnaggg cgaatttcag 360
 ncactggcgg ccgtactaag tggantccaa nctngngccc aagctttgnc gtaatcatgg 420
 catagtnttt ctgtgacc 438

<210> 536
 <211> 609
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 354, 362, 368, 376, 377, 387, 400, 402, 412, 418, 421, 424,
 444, 454, 470, 472, 508, 511, 528, 529, 536, 543, 549, 557,
 576, 583, 600, 601
 <223> n = A,T,C or G

<400> 536
 gagagcgcgc tgagtgggtg tgtggtcgcg tctcggaac cggtagcgc tgcagcatgg 60
 ctgaccaact gactgaagag cagattgcag aattcaaaga agctttttca ctatttgaca 120
 aagatggtga tggaaactata acaacaaagg aattgggaac tgtaatgaga tctcttgggc 180
 agaatccac agaagcagag ttacaggaca tgattaatga agtagatgct gatggtaatg 240
 gcacaattga ctccctgaa tttctgacaa tgatggcaag aaaaatgaaa gacactgaca 300
 gtgaagaaga aattagagaa gcattccctg tgttgataa aggatggcaa tggntatatt 360
 antgcttnaa aacttnnct tgtgatnaca aaccttggan anaagttacc anatgaanaa 420
 ntnataaaaa tgatcaggga accnatttga tggngatggg caagtaactn tnaaaagttt 480
 tcaaatgata cagcaaatga aacctttnc naatgtgtta aattcttnc aaattnttta 540
 ttncctttnt tttttgnact ttttttaaag gttttnttc tgnaaaaaaa ttgctttttn 600
 naattagga 609

<210> 537
 <211> 544
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 328, 357, 364, 394, 404, 405, 407, 418, 427, 433, 436, 443,
 449, 466, 470, 471, 485, 490, 515, 516, 524, 529
 <223> n = A,T,C or G

```
<210> 538
<211> 279
<212> DNA
<213> Homo sapiens
```

```
<400> 538
aaaatcctga ttttgagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60
ttgttggaatt gttatttttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaagt tcttgtagg tggtttatag ttcttttggc taacaaatca ttttggaat 180
aaagattttt tactacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa
279
```

```
<220>
<221> misc_feature
<222> 15, 313, 334, 340, 351, 354, 365, 371, 394, 432, 440, 453,
458, 464, 468, 470, 479, 482, 494, 495, 511, 512, 516, 525,
532, 534, 547
<223> n = A,T,C or G
```

<400> 539							
ccgcctgcta	ctgantaagg	ggcattcctg	ttacagacca	aggagaactg	gagaaagaaa	60	
gagaaaaatca	gttcgtgggt	gcatttgtgga	tgcaaactcg	agcgtttctca	acttggttat	120	
tgtaaaaaaaa	ggagagaagg	atattcctgg	actgactgat	actacagtgc	ctgcgcgcct	180	
gggccccaaa	agagctagca	gaatccgcaa	acttttcaat	ctctctaaag	aagatgatgt	240	
ccgccagtat	gttgtaagaa	agcccttaaa	taaagaaggt	aagaaaccta	ggaccaaagc	300	
acccaagatt	cancgtcttg	ttactccacg	tgtnctgcan	cacaaaaccgg	ngnggttttg	360	
ttttnaaaaa	ncagcgtccc	aagaaaaaat	aaanaaaaag	cttgcaaaat	attcttaact	420	
ttttggacct	tnngggccgn	aaccaccctt	aangggcnaa	attnccancn	cacttgggng	480	
ntccggtttac	ttanngggaa	tcccaaactt	nnggtncccc	aaacntttgg	gngnaaaatc	540	
attgggncat	ttaac					555	

<210> 540
 <211> 678
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 337, 340, 399, 447, 470, 478, 483, 486, 495, 497, 525, 547,
 548, 568, 602, 613, 623, 652, 658, 661, 669
 <223> n = A,T,C or G

<400> 540
 ctgattaatc attgttgatg actgcagttt ttcccatect tcccgattta catctgttca 60
 ggccaattca aatatggtga gtaaatgaat tagacatgca aattcaagcc ccaggctaga 120
 aagagggaga gagaggaaaa gagagagaaa gagagagagc gcgcgcgatgg ctgaaatcct 180
 aggcgagaag aaagattctt ctgcctgata gttattttta tgctctaaaa atcctgcaaa 240
 tcagaccttc ctgtcccttg caggataact gtaaggcttt ttaatgtaag gaggccttctg 300
 gaggaagtga agagctatgg aaacacacac atagtgnngn aaaatttcac atttttttaa 360
 aattttttta aaaccaccga atatggatac agtttatanc ttacatatt ctttttggcc 420
 cttaaggctt atttagtttt tagcatngtc cccaaatggc ttcagtgggn ttctctgntt 480
 ttnaanggcc ctttnanaaa taggggagct ctttgggccc gaatnaatcc aaaatggaac 540
 tccccgnntt gccaaaaaac ttgatttnaa atagtccctt tggggaaaag catttccctt 600
 anctcctgac ttnaatgcc tanttggccc ctttgggcgg aaccctttag gnaattcncc 660
 nctgggggnt ttttgggg 678

<210> 541
 <211> 345
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 335
 <223> n = A,T,C or G

<400> 541
 ccagagaagc aagtgtactg atatccaaga gcaggagaaa atagatgtcc cagaacaagc 60
 agagaggctg attttgtcct tectctgcct ttttgtttca tatggggcac tgaatggact 120
 gatgcccatc cacattattg aggggtggatc ttctgtactc agtctaccag tagaaatgtc 180
 aatgacttcc agaaacaccc tcaccaacac acgtggaaat aatgttttac caggtatctg 240
 ggcattccctt ggttcactca agttgacaca aaattaacca tcacagaagg agactggcct 300
 tactctgaaa ttaggaaact aaagaaagt accanaatgg aaact 345

<210> 542
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 337, 343, 367, 379, 382, 391, 395, 410, 420, 448, 451, 460,
 461, 471, 475, 479, 491, 494, 495
 <223> n = A,T,C or G

```

<400> 542
aaaactcgtt tcagacagtt tgtctgaaca tgagaagaac aagaacaaag agggagatga 60
taagaaagag ggaggtaaag acagagcttt gaaaggagtt ttgcgagtgg gagtattggc 120
aaaaggatta cttctccgag gagatagaaa tgtcaacctt gttttgctgt gctcagagaa 180
accttcaaag acattattaa gccgtattgc agaaaaccta cccaaacagc ttgctgttat 240
aagccctgag aagtatgaca taaaatgtgc tgtatctgaa gcggcaataa ttttgaattc 300
atgtgtggaa cccaaaatgc aagtcactat tacactngac atnttccatt tttccaaaaa 360
aaaaccntga gggaaggana tntaaccctt nggtnttggg gaaagacccn ccggaccttn 420
ttggacaggc aaaaaatgcc cttgaccntt ntgtgcttgn nttttccccc ncccntaant 480
gggttccagg ntttnnaactt aaatgggctt gccca 514

```

```

<210> 543
<211> 590
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 346, 362, 370, 388, 408, 455, 464, 472, 484, 492, 493, 501,
510, 515, 521, 524, 527, 538, 550, 560, 567, 579, 582
<223> n = A,T,C or G

```

```

<400> 543
aaagtttgtg cctgtaatac agtccgtgat atactggaag gcagaacaat tagtgttcaa 60
tttaaccagc tatttcttag accaaataaa gagaaaatag actttcttct tgaggatagt 120
tcaagatcag taaattttaga aaaagcttca gagtctttga aaggaaacat ggctgctttt 180
ctaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat ttcttcacat 240
gagcttttca ttacattgtt gaaagatgaa gaacgaaagc tacttggttg tcagatgagg 300
aagagatccc ctagagtaaa tctgtgcatt aaacctgtta ctttanttta tgatatccca 360
cnttagcaan tgtcaacatt ggagttnga gcatcaactt atattggnca gtggatcctt 420
ggaggattag accaaattta attgaataca tggngtgact ttanaacccc cntctggacc 480
gggnttaata annnggaaat ncctttttgn ttttnggggg ntanccnggg aattaaanaa 540
atttaacaan aaaatttggg tttttntttt tggaccttnc cnggggggcc 590

```

```

<210> 544
<211> 552
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 329, 359, 361, 363, 405, 440, 443, 447, 459, 461, 465, 469,
472, 486, 487, 489, 499, 512, 516, 530, 532
<223> n = A,T,C or G

```

```

<400> 544
aaatttctcc ctttgtgtga gtatgactat agttctggcc tgggtgttttc tatttattta 60
gttttagatg tcagcatttt actatacttg gtcctctcac ttcagaataa cagggtattt 120
tattgataca aaggagaggt gttcagatca tcttgtaag atgcagagct caaaataaac 180
actaaatctt ttttggaga tccacatcct tcctcaaagg aaggctcatg agtaaatttg 240
tatgcagtat aaagcccaag tagagggtgt atttttaagt actactttgc ttacatttta 300
gattgtgcaa atgtctcaat caatgcttnc aggaatgtgg accttcctca gttttagcna 360
nanaaccctt gaccaataaa atactgttgc atgctttcca ataactgag ggattgggat 420
agaaatgctt atctaccogn ttntgangga gaaaacaana ncagnggcnt gnaaaatttt 480

```

```
ccaacnnana atcgtaatng ggttcaaagt anccccngtaa aaccattttt tnccttagg 540
ggggaaaacc cc 552
```

```
<210> 545
<211> 585
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 340, 343, 354, 363, 368, 376, 383, 405, 407, 414, 417, 460,
462, 474, 477, 488, 511, 519, 535, 554, 557, 559, 566, 568,
577
<223> n = A,T,C or G
```

```
<400> 545
ggcgggtacc agtgtaaagc cagagctgag gttcttgata gtccacaatg ggtgaaccac 60
agcaagttag tgcaattcca ccacctccaa tgcaatatat caaggaatat acggatgaaa 120
atattcaaga aggcttagct cccaagcctc cccctccaat aaaagacagt tacatgatgt 180
ttggcaatca gttccaatgt gatgatctta tcatccgccc ttgggaaagt cagggcatcg 240
aacggcttca tcctatgcag ttgatcaca agaaagaact gagaaaactt aatatgtcta 300
tccttattaa tttcttgac cttttagata ttttaataan ganccttgg agtnttaaac 360
canaaganaa actttnaaga atnttaagct tctttttgt cccctnctt cttntntaa 420
atgaattccc gacccacca agcaagaaaa aaaccttgan antcatgatt gganggncca 480
aaaacctnca acgggtttga aacagaactt ngggccgna ccaccttaa gggcnaaatt 540
ccacaccctt gggnggnct tacttngng ggatccnaac tttgg 585
```

```
<210> 546
<211> 563
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 350, 378, 386, 392, 444, 494, 514, 515, 533, 555
<223> n = A,T,C or G
```

```
<400> 546
aaaaagcaat ttagatttta cgtgaattag acgggtgtgt cttactccca tccagataaa 60
atatgggcag ggaagcctgg actcctggag atgttcctgc aggaagtcca tgggcacctg 120
agtagttgga atgggaagg agagtttgac ccgagacaga gcatgagctc ctcccaggaa 180
caaaggcttt atgaaaatat cctgcttccc atccctggga gagggtcagg gtgggcggaa 240
gggtcaggag aaagaaagat catcaaagaa gaaagtcaac caaaaactgg aaaagagcgg 300
acccatccca ttgtttccac tgaattcatg tcatgagaac aagacttctn ggggccatt 360
ttcctgttct tcttgccntt ttcttnatga anaatcttgt cttggactta tgggccctgt 420
aacagttttg gacagtcaag ggcncaggc tatcaaacct cgcccgagac ccccttaagg 480
gcgaatttcc accnccttgg cgggcgtac ttannngaac cccaacttcg gtncccaacg 540
ttgggcgtaa tcatnggcaa tag 563
```

```
<210> 547
<211> 337
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 15, 310, 328
 <223> n = A,T,C or G

<400> 547
 aaatatcaca agtangtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
 ttagatctta ttcatacagc tgctgaacag ttcctttttc agagacatag ataccatcca 120
 aaaatttcct gatatacctg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
 ctgaacaagc aacacctggg ctcatccgaa ccctgcggat atatttttca cccaagaaat 300
 ttcggtattn aacaagagac ccattctnct ggataac 337

<210> 548
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 548
 cctttacaga aacattttta gtaatgagga tgagaacttt ttcaaatagc aaatatatat 60
 tggcttaaag catgaggctg tcttcagaaa agtgatgtgg acataggagg caatgtgtga 120
 gacttggggg ttcaatattt tatatagaag agttaataag cacatggttt acatttactc 180
 agctactata tatgcagtgt ggtgcacatt ttcacagaat tctggcttca ttaagatcat 240
 tatttttgct gcgtagctta cagacttagc atattagttt tttctactcc tacaagtgtg 300
 aattgaaaaa tctttatatt aaaaaagtaa actgttatga agctgctatg tctaataatc 360
 tttgctttcc aaagggttgg ggtttggtgg 390

<210> 549
 <211> 380
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 310, 322, 323, 325, 338, 346, 348, 351, 358, 360, 373
 <223> n = A,T,C or G

<400> 549
 ctgccgatgt agcctcggta ggtggctatt agagctctac catatacagt ggtgcatctt 60
 caaatttatg catcaaacta aagacatgtc caagtccatt ttaatttctc cagtgggttt 120
 atgagaagtt ttatgggcct cccccaattg tctttttatt ttgggttatg acgatcatgt 180
 ttgataatta caatgatagt ctctttccac gtgatgcttt tgtttgaacc tgataaaatt 240
 tagtgaaact ttgtaatgat ctatgtgcac ttttacttgt aaaatggaat ttctgtatgt 300
 ttatacttgn aaatatgatt gnnngntagtg cttcctgntg cttatngngg nccggccnnc 360
 ccttttctga atnctggtaa 380

<210> 550
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 244


```

atgagctggt tcttcttccg gtagtggatc ttggttttct ctttctctt ctctccagg 180
gtggctgtca ctgcctggta ctccagcca acctcgtgag ccaggcgccc cagataggca 240
aactttcttg taggttcag acgcacgacc ttgagggcag caggaaccac catccgcttt 300
ttcttgtcgt agggcggtgg gatgccgtca aacacctga gacggtccag agcggcacct 360
gccgggagc 368

```

```

<210> 554
<211> 129
<212> DNA
<213> Homo sapiens

```

```

<400> 554
cagtttgccct ggagacattt ctactggtac cttaccaatg agggtatcca gtatctccgt 60
gattaccttc atctgcccc ggagattgtg cctgccaccc tacgccgtag ccgtccagag 120
actggcagg 129

```

```

<210> 555
<211> 582
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 396, 444, 453, 473, 496, 503, 509, 514, 520, 531, 538, 556,
557, 567, 568, 571, 577
<223> n = A,T,C or G

```

```

<400> 555
ccagtccaag ctggaggagg ccacaatgat tcattagagc tttgaggttg ttcttgaaga 60
gctgaatata ggacatgagc tgtcccgggtg tgactctccc catactcatc ttgattggca 120
ggttttctct gcttgccgct tccactagat gtctccgaac ttccatcact gcctctttgt 180
gcttagtggt cagtaaagct tcccataggg ctttggtgtg ggtgtcactg gattgtgaaa 240
gacagccttg tgcaaccaca ttataatttt cctcctcagt atggagtgcg gtgagcgcta 300
tcattgttaac catcacatca tttgtgtggc ctgggagctg ggggaagtgc gaaatgatct 360
tctctactaa gttgtctcca tgatgtccaa ctgctnctgt gaaaatccag ggggtctgttc 420
acaaaaaacc acttgatgcc ctgnctgcag cangettctt tcttttcttt gcnggggcat 480
aattggacct cggcncgaa cnccttang gggnaattcn acaccattgg ngggcgtnct 540
tatggatcca acttgncca acttggnaa natgggntac tg 582

```

```

<210> 556
<211> 359
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 198, 269, 283, 312, 345
<223> n = A,T,C or G

```

```

<400> 556
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaaagt ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctccc 120
aagatcctga gtgacatgcg aagccaatat gaggtcatgg ccgagcagaa ccggaaggat 180
ctgaagcctg gtcaccancc ggactgaaga attgaaccgg gaggtcgctt ggacctcggc 240

```

cgogaccacg ctttaagggcg aaattccanc acacttggcc ggnccgttct tagtgggatt 300
 cccaacctcg gnaccaaagc tttggcgtaa atcattgggc attanctttt ttccctgtg 359

<210> 557
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 557
 ctgtccagt acatctaggg aagcccagcc cccagcagca gcaggaactc ttggggacag 60
 tctgtcttgt tgcaaagcca gcacagcaag cagcctccgc attagttcca tagcttgact 120
 ggctttctaag atgggcatgt caagatccag aatctcaaa catccctctt ttgggtccat 180
 catccaaggg tgagaaacag cagagcctaa gtgagagtct gagtcaacac cttggctcag 240
 ttttcaaata aatttt 256

<210> 558
 <211> 591
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 439, 447, 457, 460, 493, 497, 509, 515, 521, 531, 534, 546,
 548, 555, 575, 581
 <223> n = A,T,C or G

<400> 558
 ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaaagc 60
 aactatgtaa ttctgttgaa aaaggaaaagc tcaggaaata ctctttttat ttcttttgat 120
 tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180
 ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
 acatgccttg aggccagcag gcgccagct caggcagcac acgccttcac ttaaaaaggc 300
 cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
 gttttaagt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaat 420
 aatggtcatt acacttaana atctgggctg aattttntan cttcttataa aatacttgac 480
 cgatattacc tcntcctttt aagtttctna atcctctctg ncctgaaggg ntanaatttt 540
 tggttnangg ctttngggac aaattttttt ttgcnatggt nggtaaaatt t 591

<210> 559
 <211> 650
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 429, 440, 441, 448, 471, 474, 486, 510, 519, 520, 528, 539,
 555, 566, 581, 596, 625, 628
 <223> n = A,T,C or G

<400> 559
 aaaaaataaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60
 gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
 tattgtgcaa aggaggaatg taatatthaa ggttcattta caacgggcat ttggcgctga 180
 cagaaaaagt ctttctatgt atacattcaa ctttttgac catatttaca ttcaagttac 240

```

atttcctaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300
taaaatcctg tttatttggg aggagtgcga tattatctta ttaggaaata attttatgtt 360
cctactaagt caactgcatt tttactactt taacaaaatt cactgacatt tttatccccg 420
ttgaagtcna acctcttttn naccaaantc aatacttact caatgggtgcc ngtnnttaaaa 480
tataatnaaa tcctttttcct ccctcctttt aaaaaccggn tttcaacntt caatgaaang 540
gccccccctt ttganaaatt ttttntttt tccagaaatt nggatgggtt acaaanacca 600
atttcctaaa ttttacttgt tttcnaanaa aggtggaacc cttttccttt 650

```

<210> 560

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 433

<223> n = A,T,C or G

<400> 560

```

aaaagatgta gataaaattt tattaataac agaagaacta aaaaacattg gaaatacttt 60
tttcaaatcc cagaactggg agatggctat taaaaaatat gcagaagttt taagatacgt 120
ggacagttca aaggctgtta ttgagacagc agatagagcc aagctgcaac ctatagcttt 180
aagctgtgta ctgaatattg gtgcttgtaa actgaagatg tcaaattggc agggagcaat 240
tgacagttgt ttagaggctc ttgaaataga cccatcaaat accaaagcat tgtaccgcga 300
gagctcaagg atggcaagga ttaaaagaat atgatcaagc attggctgat ctttaagaaag 360
ctcaggggat agcaccaga agataaacta tccaggcaga attgcttgaa agtcaaacaa 420
aagataaggc ccngaaagat aaagagaagg cgttttttcca aaatgggtttg cttaaaaaagg 480
at 482

```

<210> 561

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 434, 448, 449, 467, 471, 477, 481, 486, 497, 511, 514, 534, 536, 554

<223> n = A,T,C or G

<400> 561

```

aaagcctgat ctggtgtgaa taatcaacta ggaaatctaa acttggataa cacgtggtga 60
acaactgcct ttagctgggc cagattaatc atttcaaaga catccatttt agatcacaag 120
caggaagtgc atagtctcaa aggcactttg tttctcccaa gtaggccacc aggcagcctc 180
tagagttgct ttacccaaat ccttctccag ccatgacttg gtgactctaa gcttgctccc 240
acctgcccc tccacttccc tcagatgatg aggagccagg gctaaggggg cagccttctc 300
tcttcccagt gatgcacatc cttcacattg gctgctttgt tctggaatat ggatatctca 360
acctggatgc ccgaggaagc tgctggatgc ttaatgggtc tagaagctca agtgtgtttg 420
aaacaaaaac ccanttgtcc cccatgcnna aagaaatcct gtgtgancct nttggtntta 480
naaaanaaat ctggccnttt ttttaacatt nacntttttg ccttttaggg aaananaccg 540
gggaacaaaa aatnaatttt gg 562

```

<210> 562

<211> 323

<400> 564					
cgacaaacaa	ggtttcccca	tgaagcaggg	tgtcttgacc	catggccgtg	tccgcctgct 60
actgagtaag	gggcattcct	gttacagacc	aaggagaact	ggagaaagaa	agagaaaatc 120
agttcgtggt	tgcattgtgg	atgcaaattct	gagcattctc	aacttggtta	ttgtaaaaaa 180
aggagagaag	gatattcctg	gactgactga	tactacagtg	cctcgccgcc	tgggccccaa 240
aagagctagc	agaatccgca	acttttcaat	ctctctaaag	aagatgatgt	ccgccagtat 300
gttgtaagaa	agcccttaaa	taaagaaggt	aagaaaccta	ngaccaaagc	acccaagatt 360
cagcgtcttt	gttctccacg	tgctcttgca	gcacaaacgg	cggcgtattt	gttntgaaaa 420
accancntcc	cagaaaaata	aanaaaaaag	ttgcanaaaa	tgcttaactt	ttggaccttn 480

```
ggccggnnacc nccctaaggg cgaattccac ccccttggcg gccgtccttt gggatccaac 540
ttggnccaac ttgg                                     554
```

```
<210> 565
<211> 489
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 385, 391, 411, 425, 429, 435, 440, 466, 468, 483
<223> n = A,T,C or G
```

```
<400> 565
ctgtgtgaca taggacatct tctttctctg tctcacttga ataatatgat gtgtcagagg 60
agacatgatt gtaattgcct aaagcaattc ttgtgatcaa gaatcagaag catgaacagt 120
attgcctctt gtgttagccc ctttataagg gaggatatca tcttcagcat gctgaattgt 180
catctttctt agcagtgcaa atgactaaaa cttagccaat gtagagttag tccaaatttg 240
gagctcataa ctcagttctt gagcaaagtg aaaagaaaac attgtgatta tggggaaaaat 300
atttgatggg acttatcaaa taaagatagg aaaagaagaa aacccaaata ttataggcag 360
aaatgctaaa gggtttacct gccnnggcgg nccctcgaaa gggcgaaatt ncacacactg 420
ggcgnctgnc ttagnnggatn ccacctccgg gacccaaact tgggngnaa tcatgggcaa 480
tancctgtt                                     489
```

```
<210> 566
<211> 607
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 403, 477, 499, 505, 514, 527, 537, 543, 564, 571, 581, 584,
598, 603
<223> n = A,T,C or G
```

```
<400> 566
aaaattattg agatcatgaa aaacaaggaa acattaataa atttccatag attggaagca 60
aataagatat gatgactaaa tgtgacataa tattctggat tgcacctgg aacatgaaaa 120
ggacattaat gggaaaactg gtgagctaca ttatacaaaa taactgatca gtgctcttca 180
agggtgtcaag attatcaaag acataaaaaga atggatgaac tgccatagat tggaggagac 240
aatgcaatgt gaaatcctga atttgaccct gaacagaaaa tgcaatgtag tggagaaaact 300
ggtaaaatgc agataaaatc tagtttagtt aatcatattg taccaaagtt catttcttag 360
ttttgataac tcttgatggg tataaaagat gttgaccatg aanaatgctt ggatgaagtg 420
gtgtgccacc aacctgggtg ctggtttttg ccaccttttc ttgtaatttt taccttnggg 480
ccgggaaccc ccccttaang ggggnaaatt ccncccccc cttgggnggg gccgttncct 540
tanggggaat cccaaacttt gggnccccaa nctttggggg naancaatgg gccatacntg 600
ttncccc                                     607
```

```
<210> 567
<211> 555
<212> DNA
<213> Homo sapiens
```

```
<220>
```

<221> misc_feature
 <222> 393, 404, 430, 452, 453, 468, 500, 509, 519, 529
 <223> n = A,T,C or G

<400> 567
 cctacccatt ctcctagttt cttgtttgtca tcaaccttaa ttaggttgat ttggtgttca 60
 gcacaaaggg cctccaccaa cttgacatac ataggctcat cacagttgga tgcaagcaca 120
 caaagatggg cttgggcgct tttcctaggt ttccggtagg acggatgcca ttcagaactt 180
 ttgcgctaac accatgaact ccatgccttc ttcccttggg tggcagtttt gttccggttg 240
 caagaaccca cagtattgag actgatacac gtacttgtct aagctttggc agcttcgcga 300
 attccacgtg ctaggccatc gtggatgaag ggcagtcttc agaacctctt gtaaaagcag 360
 tattaaccgt ccattacacc ttcacaacaa tgnctttctt cggncatggc gggggggtac 420
 cgggtgaaan ttgaaacttt gaaccacca anncttccgc tttcggcnaa attgggaacc 480
 ttgcccgggg gggccgtttt aaaaggggna aattccaana cacttgggng ggccgttact 540
 aaaggaatc ccaaa 555

<210> 568
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 568
 aaaaaaatca acagtgttaa cagtgggtgg gtatgtttcc agacctctca attcactcat 60
 atgtacagac aggattgacg gggggaatcc ctaaactttt tattctaaca agttttatatt 120
 atttattttc ttttttgaca tggagtctcg ctctgtcgcc caggctggag tgcaatggcg 180
 tggcctcggt tcaactgcaac cttcgcctcc cgggtttaag caattctcct gctcagcct 240
 ccaggtagc tgggattaca ggtgcatgct actgcgccc gctaatttat gtatttttat 300
 tagagatggg gtttcaccat attgg 325

<210> 569
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 569
 ccacctgga gcgctatgta gagacgcagg ccaaggaaaa tgcttatgat ctggaagcca 60
 acctggctgt cctgaagctg taccagttca acccagcctt ctttcagacc acggtcaccg 120
 ccagatcct gctgaaggcc ctcaccaact tgccgcacac agacttcacc ctgtgcaagt 180
 gcatgatcga ccaggcacat caagaagaac ggccaatccg acagattttg tacctcgggg 240
 acctgctgga gacctgccat ttccagg 267

<210> 570
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 344, 393, 414, 415, 424
 <223> n = A,T,C or G

<400> 570
 aaaaactcat cattgccatg tccaggagag gcaatctagc tggagtcagg tgatccagtc 60
 cattcctgtc aaagcctcca acagctacag cacaaacacc atcagtttgc gatggctggg 120

```

gggccttctg gaagaagaga ggcaaagaaa gtcttgaaga caagccatgc tgtgtcata 180
aaggaggggc tggctctgctc gccatctagt acatccctgt ctggaggag gtggttggg 240
tcttcagttt caggatcagt gccttcctgt aagttattgt tggggtcctg atttacaacg 300
tcaggaggag gaccatcatt tgggaagttc tgaaccggcc tcgnctaaat ggaaccaccc 360
aacgtgatgc cttcaaagga agcacataaa agncctttta actgatgtca cagnnggact 420
tctnaagaat ccaaggttcc cccctttat c 451

```

```

<210> 571
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<400> 571
ccacagctaa catcattgca gcacctttac tccttcggct gtgatccaat ctccagctca 60
ctttttgcca gcaccaacat tggcctttgc agtccccctg actttottca ttctgttctt 120
gcgttccttt cggttgctttc ttgaggtctt tttcttctca tacaggcoat gtcttgcaag 180
tctatgtttg gggttcatttt tctttgcata atccaggga tcatataatca tgccaaagcc 240
agttgtcttg ccaccaccaa aatgagttct gaatccaaat acaaagatga catccggtgt 300
gggtctgtac attttggtta gtttttcccg aatttctgtc ttaggcactg tcgcttcccg 360
gggtgaagga catcaatgac cattt 385

```

```

<210> 572
<211> 582
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 371, 479, 493, 529, 531, 533, 542, 557, 560
<223> n = A,T,C or G

```

```

<400> 572
ccacttgga ctttggcagg aaatcttcac tgtgccaaag catttgtgtt ctggagccgg 60
agctgcctga ggcaactctt tccagcctcc tcagccttcc atggagctgc agaccctacc 120
tagacctacc cctgccgggc tccaaacaga tccccctacc cattcctttc atgtactgtt 180
tggctctgga agaggctcac acaagttggc tttgggtttt gottcaacat agaaaccacg 240
agccttatac cttgaatatg ggtagtttca ttgccagtaa tgggaactct ggaactgcca 300
aagggactgt atcctctttc tgacctggtg ttgctttctt ttgttaggct tcccagctct 360
gtgcccagca ncctgtccag aatgagctgt tcagagatcc aacaactgca gtctccttat 420
tcacttttaa agaattgaaa accaaaaagg tgagtttctt tccttaggaa ggttcaaanc 480
cccccttctt aantttccct ggttgaaaac tttttgctgg cttgccccnt ntnggggaaac 540
cnggggggaa gggaacnttn caaaaaaat ttcccggggg gg 582

```

```

<210> 573
<211> 540
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 78, 107, 165, 200, 206, 233, 234, 344, 377, 395, 407,
411, 429, 483, 496, 505, 518, 530, 538
<223> n = A,T,C or G

```

```

<400> 573
ccactgcnga ctgagcgggtg gaccgaattg ggaccgctgg cttataagcg atcatgtttc 60
tocagtatta cctcaacnag cagggagatc gagtctatac gctgaanaaa tttgacccga 120
tgggacaaca gacctgctca gcccatcctg ctcggttctc cccanatgac aaatactctc 180
gacaccgaat caccatcaan aaacgnttca aggtgctcat gaccacacac cgnnccctgt 240
cctctgaggg tcccttaaac tgatgtcttt tctgccacct gttaccctc ggagactccg 300
taaccaaact cttcggaactg tgagccctga tgcctttttg ccancatac ttttttggca 360
tccagtctct cgtggcnatt gattatgctt gggnggaagg caatcantgg nggcattcac 420
cccttaaang ggaaccacat ttggactttt ttttttttca tttttttaac ctttggggccc 480
ggnaaccccc cccttnaagg ggcnaaatt tcccaacnac caccttgggg gggggcccntt 540

```

```

<210> 574
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 428, 436, 439, 443, 450, 460, 464, 467, 482, 493, 500, 501
<223> n = A,T,C or G

```

```

<400> 574
aaaattttaga ttagcacacc ttactaatct gacagaacct ggattctctt gatattggaa 60
gaagatgaga gtggataccg gggaagtcac tagaagtatc tgtcactctt ggctggacag 120
caggotgcaa acatattacc acttgatgga ggcatcatgc tctggctgca atccgtgtgc 180
atcaggtaac agtaacaaaag tggtaactgag aaatatcctc atgtcacata gatctcaata 240
tgccattggg caaggagggt gtccagaagg aaattaggac gttatcaagg atgaagctat 300
agtaaaaata ctataaacia acctttcttg atgaggctta aggggtattt agaggagtat 360
aaccttaaaa ataaagatga aaaatttatg aaccgggctc tgttttcatg atgagagagt 420
acgtgcantc cctgncnng gcnngcgctn gaaagggccn attncanac ctggcgggccg 480
tnctatggat ccnacttggn ncaaacttgg 510

```

```

<210> 575
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 403, 494, 500, 503
<223> n = A,T,C or G

```

```

<400> 575
ctgaaaacag tgggaggcca gatgctggca tcttccagac gggagcatag ccatggtcac 60
tctagccgat gtctcctggg gctctcaggc ggcaaggacc agatgcacca ctactgtcca 120
atcccagttt tacttagagc cacctccttt tttggggcca ttagtcctta tttcatgcc 180
gattttcact agcggctccc tgttcttcca aatcagttca tgaccgtaag taacatacca 240
tattccaaaa agagctcccc caagatgtgc cgcgatgaca aaaaatttcc atcccaggat 300
cattcctgct gtatccatgg cgataatggc tttcagggca ttccctgctg tgaacgtgaa 360
catcggaagg aaaataatgg caagcctcct tctgggatct tantgcagac agacctgcc 420
gggcggccgt tcgaaagggg aattccacac actgcggccg ttctatggat ccaactcgga 480
ccaacttggg taanatggcn tantgttctt gg 512

```

<210> 576
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 310, 331, 359, 415, 424
 <223> n = A,T,C or G

```
<400> 576
ctggtgctct ggggtctaccc tacctgacat ccttcagtc ttatcctttg tttcctatcc 60
aggcccaggc ttgtggctga gaacatccac tttcagtc atatacctgc ctccaagtgt 120
ggtacagaga acttgggcct gctggggcg cttagcctta ctctctccac cacctctccc 180
accaaccccc agatgaactg caggtagacg tttcttctt gcttggagcc ccagtttttg 240
catttcattt tcattaaaat gaaagggtgt ttggttttgg ttctaaggag ctctacagtt 300
taacagaaan gagggacctt agggggccaa naaagcaggg gcctaccaag tatctccnt 360
ttgaaaatgg aatactgata aaaaattttt acctgcccg cgccctcaa aaggngaaat 420
ccanacactg gcgggcg                                     437
```

<210> 577
 <211> 267
 <212> DNA
 <213> Homo sapiens

```
<400> 577
ccaccctgga ggcgtatgta gagacgcagg ccaaggaaaa tgcctatgat ctggaagcca 60
acctggctgt cctgaagctg taccagttca acccagcctt ctttcagacc acgggtcaccg 120
cccagatcct gctgaaggcc ctcaccaact tgccgcacac agacttcacc ctgtgcaagt 180
gcatgatcga ccaggcacat caagaagaac ggccaatccg acagattttg tacctcgggg 240
acctgctgga gacctgccat ttccagg                                     267
```

<210> 578
 <211> 354
 <212> DNA
 <213> Homo sapiens

```
<400> 578
aaaactcaat gtttgcctaa tcaaagatca tctggctaaa ctgctcccc acttctgctt 60
agctactttg gaagcacaaa agttaccctt ttccatcctt ggcccttccc tggttggtac 120
atctagttat gagatagacg cgcaccactt aacaaatcac tcccttttga ccgcagggtg 180
tttctcttcc atatttgacg aggtctggca cagctcccga atcttggcct agcacatcac 240
gaattgggaa gctaaagctt tagcttagaa tgccaagtga caaggacatg gctgaagcag 300
gaggggaaat tctggaacaa gtgctctggt gcaaacctca caaccgagtt tttt 354
```

<210> 579
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 283, 365, 366, 376, 379, 387, 389, 392
 <223> n = A,T,C or G

$\langle 210 \rangle$	582
$\langle 211 \rangle$	511

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 456, 471, 474, 492, 496, 508
<223> n = A,T,C or G

<400> 582
aaaattttaga ttagcacacc ttactaatct gacagAACCT ggattctctt gatattggaa 60
gaagatgaga gtggataacc gggaagtcac tagaagtatc tgtcactctt ggctggacag 120
caggctgcaa acatattacc acttgatgga ggcatcatgc tctggtcgca atccgtgtgc 180
atcaggtacc agtaacaaag tggactgag aaatatcctc atgtcacata gatctcaata 240
tgccattgggt caaggaggtt gtccagaagg aaattaggac gttatcaagg atgaagctat 300
agtaaaaata ctataaaca acccttcttg atgaggctta agggttattt agaggagtat 360
aaccttaaaa ataaagatga aaaatttatg aacggggctc ttgtttcatg atggagaagg 420
tacggtccag tccacctgcc ccgggcgggc cgttcnaaag ggcgaattcc ncanctgcgg 480
gccgttacta gnggantcca cctcggttca a 511

<210> 583
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 406, 410, 422, 455, 467, 485, 491, 498, 500, 511, 517
<223> n = A,T,C or G

<400> 583
aaacctttat actcccctga atgaatttga agaacgggta acagtggcct ttatacgaac 60
aatccaggca caactacaag agcggaatga cctcagcaa ctgctattag atgccaagca 120
catgtttcct gttttgtttc catttaatcc atcttctcta accatggact caatccacat 180
cccagcgtgt ctcaatctgg aattcctcaa tgaagtctga agatgcatgt ttccagcatt 240
agtttgattc ccaatgtgag caagaaggaa gtatatacag taaagtaa atcaaggatct 300
gttaaactctg gtaaaagtag atcaaatcag agattgacag cctgtggagg gtgcttgaac 360
tatacagaat tagacacact atgtcattat tttttggacc tactgnntan aataaaaaaca 420
cnttgaaata tgacctcggc cgcgaccccc cttanggcga atttccnccc actgggcggc 480
cgtnnctagt nggatccnan ctcgggccca ncttgnggt aatcatgggc ttagtggttc 540
tgg 543

<210> 584
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 362, 393, 401, 409, 415, 421
<223> n = A,T,C or G

<400> 584
cctttcactg tggctcggga aagaatcagt aagatgacag ggctgacttc attagatgag 60
gagcttttct atccagtttc ctggaggaat aaggacactg ccttttcaga ttaaagattg 120


```

tctgatttag agaccatgga ggtggacaga gaataacaaa accgtgatgg cagtcatcat 180
gcttattgca gttagcacac acttttcctg acaggcacag tgctgctgtg ctctacaaat 240
gaccatgaaa tagagcacgc catgacttta ggacacaggg atttttatgg gaagagagtt 300
catcagggac tgattacgta ggagagacga tgcaggggaa atggtggacc tgcccgggcg 360
gncgctcgaa agggcgaaatt ccaccactgc ggncgtaacta ntggatccna ctcgnaacca 420
ncttggcgta atcatggcat actggtt 446

```

```

<210> 585
<211> 308
<212> DNA
<213> Homo sapiens

```

```

<400> 585
ctcttggtga aatccgaaat ttcttggtg aaaaatatat ccgcagggtt cggatgagac 60
caggtggtgc ttgttcagta tctcaagccc agaaagatga attaatcctt gaaggaaatg 120
acattgagct tgtttcaaatt tcagcggcct tgattcagca agccacaaca gttaaaaaca 180
aggatatcag gaaatttttg gatggtatct atgtctctga aaaaggaact gttcagcagg 240
ctgatgaata agatctaaga gttacctggc tacagaaaga agatgccaga tgacacttaa 300
gacctact 308

```

```

<210> 586
<211> 333
<212> DNA
<213> Homo sapiens

```

```

<400> 586
ccagaggagg gaggggcaca gtgaagaagg gagcccacca cctctccgaa gaggaaagcc 60
acgtagagtg gttggcatgg ggtgccagca tcgtgcaagc tctgtcataa tctgcatctt 120
cccagcagcc tggtaaccca ggttcctgta actccctgcc tcctcctctc ttctgctggt 180
ctgctcctcc cagacagagc ctttcctca cccctgacc cctgggctg accaaaatgt 240
gctttctact gtgagtcctt atccaagat cctgggggaaa ggagagacca tgggtgtgaat 300
gtagagatgc cacctcctc tctctgaggc agg 333

```

```

<210> 587
<211> 111
<212> DNA
<213> Homo sapiens

```

```

<400> 587
ccatgaagct cttagacaaa tctatctctc tggacttcat tcctggaaaa agaagttcat 60
cagattcaag aacggcatca tctctggcgt gtaccgggca agccctcca g 111

```

```

<210> 588
<211> 606
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 49, 67, 72, 77, 80, 106, 121, 181, 212, 220, 269, 311, 337,
341, 350, 354, 365, 374, 393, 404, 405, 436, 439, 441, 456,
458, 498, 517, 525, 526, 544, 547, 571, 575, 576, 593
<223> n = A,T,C or G

```

```

<400> 588
gagccacag gggaagagca gcggaagggg cttttcgga cgaatttgna ttgaaaggaa 60
gtggaanaaa cncgganccn tggccgttgt ggttgctgtt tgcgngggtc tagggaggaa 120
naagttgaca cacttggtta cggcttgctg tcagccttac acatcccggg actcacacgg 180
ngctttggag aagaggttgt tcacaacagg tntccagcan tgaggacctg cccatttcaa 240
tggaatatcc ttataaagaa cctcttaana aatgtatctt gtgtggaaag catgtagatt 300
ataagaatgt nacttttttg tcccagtttg ttctcctttt nctggatgcn tttntggaag 360
gccenttaca ggtntttgtg gaagaacccg aangaatccc aaanncattt agaaaactca 420
atatgggggtt tttcctttnc ntccaaggat cctgcntntt taaggcccta agttgtacct 480
caaattcggg aataaatntt ttcttccct tataacnttt ttccnnaagg gttgttaage 540
catntgntta aaccaccttt gataaaaaag ntttnngagg ggggaaaaaa acnttccctt 600
tccaat 606

```

```

<210> 589
<211> 597
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 471, 488, 496, 508, 539, 547, 568, 577, 581, 585
<223> n = A,T,C or G

```

```

<400> 589
aaatagctga gcacctactg gaagaattcc tgggctaaat gctgaaaata aaatttaatt 60
tctgcacaga aaataaccatt aacttagtag cttttgctta aaggtgggat taattctcca 120
tgaagtcaga atgagacaat aagcagcatt aacttcatag gcacacagaa ctagtgctca 180
aactgctagc acaaattcca acagagtaca taaggctaag tcaactactca agtgtccatt 240
tccatcaaat ttagagactc tccctatgca tctaaggga ggaattatca ctgaatataa 300
atgcctccag gagaaacgga gaattcagtt aaggttaaat tagacaaaag ataataagt 360
caagtactag agaaatggtg ctggagataa accataaaaa tttgtgacct aaccgtggca 420
tggggtgatc cgcataagct gctagctggt gaaccccagt gtttcaagat nactttttta 480
taaaccgntt tatttnggtt tgcttatncc atcaaaactg gaaacttcc tcccctgana 540
ttccctngaa accggggaaa tcaatttnaa aacccenttc ntggnggcct ttcaaaa 597

```

```

<210> 590
<211> 569
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 372, 471, 474, 478, 493, 504, 518, 530, 538, 544, 551, 566
<223> n = A,T,C or G

```

```

<400> 590
ctgatagcct ggtgcccttg actgtccaaa actgttacag gcccatagtc caagacaaga 60
ttctcatgag aaaaagtgca ggagagacag gaaatgggac cccaggagtc tgttctcatg 120
acatgaattc agtggaaca atgggatggg tccgtctttt tccagttttt ggttgacttt 180
cttctttgat gatctttctt tctcctgacc ctccgcca cctgacct ctcccaggga 240
tggaagcag gatattttca taaagccttt gttcctggga ggagctcatg ctctgtctcg 300
ggtcaaaact tcccttccca ttccaactac tcaggtgccc atggacttcc tgcaggaaca 360
tctccaggag tncaggcttc cttgcccata ttttatctgg gatgggagta aagaccaccc 420
gtctaattca cgtaaaatct aaattgcttt ttaccttgcc cgggcggccg ntcnaaang 480

```

```
gcgaaatttc cancacactt gggnggccgg ttcctaangg gaatcccaan cttcgggncc 540
caancttggg ngtaaatacat tgggcgnatt 569
```

```
<210> 591
<211> 663
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 376, 397, 438, 452, 456, 472, 477, 498, 499, 510, 535, 553,
558, 568, 578, 583, 593, 618, 639, 643, 654, 657
<223> n = A,T,C or G
```

```
<400> 591
agaaaatgtc gacattactc tgaagggacg cacagttatc gtgaagggcc ccagaggaac 60
cctgcggagg gaattcaatc acatcaatgt agaactcagc cttcttggaa agaaaaaaaa 120
gaggetccgg gttgacaaat ggtggggtaa cagaaaggaa ctggctaccg ttccggactat 180
ttgtagtcat gtacagaaca tgatcaaggg tgttacactg ggcttccggt acaagatgag 240
gtctgtgtat gctcacttcc ccatacaact tgttatccag gagaatgggt ctcttgttga 300
aatccgaaat ttcttgggtg aaaaatatat ccgcagggtt cggatgaaac caggtgttgc 360
ttgttcagta tctcangccc agaaagatga attaatnctt gaaggaaatg acattgagct 420
tgtttcaaat tcagcggntt ttgattcaca angccncaac agttaaaaac anggatntca 480
ggaaaatttt gggatgggnt cttttgtctn ttaaaaaagg acctgttcac caggnttgtg 540
aataaaaact aanaattncc tggctccnaa agaaaatncc cantgacctt tanacctctt 600
tggaatttac ctgcggngg gccttcaaag gggaattenc cnttggggc cttnttnggg 660
acc 663
```

```
<210> 592
<211> 297
<212> DNA
<213> Homo sapiens
```

```
<400> 592
ctgtagccga gagtcaccag gtccccacag ggtgtcagag aggggtgtgga gctgcttagc 60
actcagcatc actgtctggt taaacacagt ccagatgaca ccctgggcac agggcggtgt 120
agtcagagac ccctcatatt ggaagtagcg gctgaagtca gagggcagga gtgcagatat 180
gtccagtcct gggacctgag tctctgagcc ttctcagcg atttcttcca agcgagacag 240
caactgctca taggcactgt tttcttccgg gcctcctcc agaaaggcgg ccaacac 297
```

```
<210> 593
<211> 337
<212> DNA
<213> Homo sapiens
```

```
<400> 593
ccaccatttc ccctgcatcg tctctcttac gtaatcagtc cctgatgaac tctcttccca 60
taaaaatccc tgtgtcctaa agtcatggcg tgctctattt catggctcatt tgtagagcac 120
agcagcactg tgctgtcag gaaaagtgtg tgctaactgc aataggcatg atgactgcca 180
tcacggtttt gttattctct gtccacctcc atgggtctcta aatcagacaa tctttaatct 240
gaaaaggcag tgtccttatt cctccaggaa actggataga aaagctcctc atctaatgaa 300
gtcagccctg tcattcttact gattctttcc cagacca 337
```

```
<210> 594
```

<211> 362
 <212> DNA
 <213> Homo sapiens

<400> 594
 cctgctggga acgggacttc taaaaggaac tatgtctgga aggctgtggt ccaaggccat 60
 ttttgctggc tataagcggg gtctccggaa ccaaaggag cacacagctc ttcttaaaat 120
 tgaagggtgt tacgcccag atgaaacaga attctatttg ggcaagagat gcgcttatgt 180
 atataaagca aagaacaaca cagtcactcc tggcggcaaa ccaaacaaaa ccagagtcac 240
 ctgggggaaaa gtaactcggg cccatggaaa cagtggcatg gttcgtgcc aattccgaag 300
 caatcttctt gctaaggcca ttggacacag aatccgagt atgctgtacc cctcaaggat 360
 tt 362

<210> 595
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 361, 393, 450, 471, 472, 482, 501, 509, 519
 <223> n = A,T,C or G

<400> 595
 aaaattataa gatttacagt gccttgatta tgcaaatag cataatggaa attaaaccaa 60
 atcaataaac caaagagaaa gaaaacttaa ttttctctag tatccatact taaaccoatct 120
 ttgtaagtat ctgatgtccc aaccatgtct tatgtagaaa gtataatcgt ttcaaagtgt 180
 tcacttgcag gtttaatttc tcattttcaa tttttatgaa ctgtaatgca atttcaaato 240
 ctattatacc tagtgtttat actgcaacag cagcaaatct cacatgtgta atcaaagtgt 300
 gaactggggc acagcttcta gctgtagaca gaaattatac actgcattca gtccaggaga 360
 ngtacattac attaacaga gcgtagaagt tantacctta ttgcaggggt gggatttctt 420
 tccctctgac tgaatcaaaa ctcgccgcn accccctaag ggcgaaattc nnccactgg 480
 cnggccgtac tagtggatcc nacttcggn caacttgng aaacatgggc attactgttc 540
 cctggg 546

<210> 596
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 194, 214, 280, 282, 285, 316, 325, 326, 342, 362, 371, 392,
 396, 398, 407, 412, 435, 436, 451
 <223> n = A,T,C or G

<400> 596
 ctggcaggac ctgaaggatc acatgcgaga agctggggat gtctgttatg ctgatgtgca 60
 gaaggatgga gtggggatgg tcgagtatct cagaaaagaa agacatggaa tatgccctgc 120
 gtaaaactgga tgacaccaaa ttccgctctc atgaggggtga aacttctac atccgagttt 180
 atcctgagag aanaccagc tatggctact caacnggctcg gctgggtcaa gggggccgt 240
 gactctccat accaaagcag ggggttcccc cactactttt tntcttttag ggcccttctt 300
 gaaacagggg aagggnaatt ttttntttt tttttttagg gnaacctgaa cccttttttg 360
 gncccaaaaa ntcccttcc caaattgggg gnttngngg ttttaggnaaa anttttttaa 420

attttttttt tacnnccccg gggggccttt naaaagggg aaattccc 468

<210> 597
 <211> 551
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 400, 407, 426, 429, 450, 461, 462, 477, 481, 498, 534, 536, 548
 <223> n = A,T,C or G

<400> 597
 gagagatatg aactctaaca aaggactgag gagtgcagtc tgctggttca ggctcttcaa 60
 aagatgtaga aaaagagata gaaggaacca cctatgctta aaatactgta aatatgcagt 120
 gaggtttggc aaaatctatt ccatgtgtga tttgcttga gaaacaattt tgaaagcccc 180
 ttgaggaaaa taaaaatcaa gaagaacact tttctccctt ttccatacaa attaaaactt 240
 aacagcatca aattattggg accagaaacc aagtaatgta taatgggggc ttttgttgag 300
 ttaaataaga tgctatataa tggagaagaa tttgaaaatg cacaaaaaaa tcaatctaca 360
 ttatcagacc tgcgtgaaat taactatggt aataaaccan ttgcagngcc caactatagg 420
 tctttntcnc taccaggagt acaaactgtn tggccggtaa nnctagctct attgtgnttg 480
 nctgctttac tgttgtanac tactcgtgct tgatattctg cgcccagatc cctngnttgc 540
 ctgcctgntg t 551

<210> 598
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 234, 242, 243, 244, 254, 264, 276, 278
 <223> n = A,T,C or G

<400> 598
 gggaatgtga aatttacatc atttcttttt gggagagact tgttttggat gccccctaat 60
 ccccttctcc cctgcactgt aaaatgtggg attatgggtc acaggaaaaa gtgggttttt 120
 tagttgaatt ttttttaaca ttctcatga atgtaaattt gtactattta actgactatt 180
 cttgatgtaa aatcttgtca tgtgtataaa aataaaaaag atcccaaata aaanaaaaaa 240
 annnaaaaaa aaanaaaatt ttcnttcccg gggggncntt taaaagggga aattcccccc 300

<210> 599
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 258
 <223> n = A,T,C or G

<400> 599

```

ccaggccatg ttatgggac tcaacgaagg caaacacctt tacacgctag atggtgggga 60
catcatcaac gccctgtgct tcagccctaa ccgctactgg ctgtgtgctg ccacaggccc 120
cagcatcaag atctgggatt tagagggaaa gatcattgta gatgaactga agcaagaagt 180
tatcagtacc agcagcaagg cagaaccacc ccagtgcacc tccctggcct ggtctgctga 240
tggaacctgcc cgggcggncg ctcgaaaggg cgaattccag cacactttgg cgggtactag 300
tggatccaac tcggaccaac cttgcgtaat atggcata 338

```

```

<210> 600
<211> 545
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 415, 478, 485, 491, 507, 523, 526
<223> n = A,T,C or G

```

```

<400> 600
aaatcangag catataggtc ataataaaat gagctacagg cacaaagcca gtaacacatt 60
tatggtccgt tcattctggaa aagtttcacc gccactccc cactcctctt cccctcctg 120
gaagcggcca gctttatcct tggcatttta attttagaga aaatttaaac ttccatgctg 180
ccctgtggct tcggtcaatg gagcttcttt ctccagttat ggaatgagtc agcaaaacgg 240
gggagttctg atccttggaa ttagggaggg acagtttaca gaatgtcttc atttcactct 300
tttcccaatc atgggaaata tccagccaat tctggtttta aagattcata tcaaattcaa 360
agtcctctcc tccttttggc gaggaagaca accctttgga gcgaacacaa aagancaaat 420
gtaaaatcca tcttgggagg ggcattggtg ctccacctgt aatcccacac tttggganga 480
caagnaggca natakagggc aaaaatnaaa catctggact cgnognacac ctagggggaat 540
tcacc 545

```

```

<210> 601
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 601
ccattatata agcaagagat gcaccagtaa tggccctctg gaatttgact gctcggcggg 60
ttcttttctt ttgaatttct tccgactgtc cttttttgtg ctccctctctg tagaggacag 120
tccagtttat ctgccgagga ttctctcttg aaaggaaagc cgactcgcat ttgcatttaa 180
gaaactggaa aaccttcccc tcggtcctgg cgtagcgctt cccgtgtccg gg 232

```

```

<210> 602
<211> 287
<212> DNA
<213> Homo sapiens

```

```

<400> 602
ctgaagcact tctcctagat ttgctcttaa cagaacgaat gcatacgcta cagattcctc 60
aacggaatca acagaattcc tttctccaca ttcttaaaac tgggtaccac ggtccgcaat 120
aatagtcacc agacccatca tcacaggcta tgtaactaaa actgaccgaa gcgttttcca 180
gttcacattt ttctaaagat tttataatgt gacaacctt ctctccttag aaagttatac 240
ttctggcact tgaaatgctg gatttggtgt cagtttacct gccggcg 287

```

```

<210> 603
<211> 416

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 320, 407, 415
<223> n = A,T,C or G

<400> 603
cagcctggag gtttggagac tcattctgga atctagtgtg ggtcaagcca acttcagggg 60
gaggctgagc cagggtagga gtcacaggag cagacgagga tgtgggggtgc cgtgcacaga 120
gctccatgac cagcttggga agttagaagg aaggggaggc aggaggctgc ttagtctgct 180
gccatgatgg gccccatgaa tgggtggctct caagcttctg tgctacacag ggggtgtctgg 240
tggccttgtg acctgcccga gccatggggg ctgtggacga ccccatctgc tccctctctg 300
aactccatgg ggcaccacan gaatctggac ctgtgccaca accacagcag ttgcctctgc 360
cctgccacaa acctcgggcg cgaccacct taaggcgcaa attccancac acttnt 416

<210> 604
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 309, 318, 328, 355
<223> n = A,T,C or G

<400> 604
aaagagctta tcctcagaaa taagcttcgt cttgagttgt tgaactacaa aacactatatt 60
tctgcagtca tccgaagaat tgtgccatta cttgtgatgc ctctgaatgt ggaggctgac 120
tctccctgtc tctctgtccc tcttacccca cggggccgca gcaaaagcca tcttgggcct 180
tcgactgggc catgtcttca ggaagattcc tgaagaggag ggcccgaat acctgccttt 240
ataggttccc agagtgcctt aaacattctt agatacatat tttttacctg ccccgccggc 300
cgtcgaaang gcgaattnca cacacctntg gcgcgtacta tggatccaac tcggncacac 360
ttgg 364

<210> 605
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 159, 176, 177, 237, 305, 387, 410, 432, 435, 443, 444, 445,
474, 475, 506, 521, 527, 533, 540, 550, 565, 573, 580, 581,
586, 590, 613, 624, 633, 643, 649, 650, 656, 669, 675, 680,
701, 704, 735, 741, 746, 747, 751, 762
<223> n = A,T,C or G

<400> 605
actggcattc cttcgacttc tctccagccg agcttcccag aacatcacat atcactgcaa 60
aaatagcatt gcatacatgg atcaggccag tggaaatgta aagaaggccc tgaagctgat 120
ggggtcaaat gaaggtgaat tcaaggctga aggaaatanc aaattcacct acacanntct 180
ggatgatggg tgcacgaaac aactggggga atggagcaaa acagtctttg aatatcnaac 240

```

acgcaaggct gtgacactac ctattgtaga tattgcaccc tatgacattg gtggctcctga 300
tcaanaattt ggtgtggacg ttggccctgt ttgcttttta taaaccaaac tctatctgaa 360
atcccaacaa aaaaaaatta actcccnatg tggctcctctt gttctaaten tgtcaaccag 420
tgcaagtgcac cnacnaaaat tcnnntattht atthttccaaa agtttggaaa caannttaat 480
ttgccaaaaa aaaaaaaaaac cttttntttt ttttttgccc ncccaancaa atnaaaaaagn 540
tttttttttn ttttttttcc caatnccaat ttnaaaaaagn ntcaangggg cttaaaaaaa 600
aaacttcacc centttttat aaanaaccgg ggnthttttt ttnaaacenn ccccnttcca 660
aaaaaaaaang gggtncccn aaanaaaacc tttttttttt nttnaaacca aaataaaaaa 720
cccccttttt ttttnccttg ngaaannaaa nttttttttc cnaaaaaaaa atttc 775

```

```

<210> 606
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 310
<223> n = A,T,C or G

```

```

<400> 606
cccgaatttt tggctatgat ggctagaaaa atgaaagata cagatagtga agaagaaatc 60
cgtgaggcat tccgagtcct tgacaaggat ggcaatgggt atatcagtc agcagaacta 120
cgtcacgtca tgacaaactt aggagaaaaa ctaacagatg aagaagtaga tgaaatgatc 180
agagaagcag atattgatgg agacggacaa gtcaactatg aagaattcgt acagatgatg 240
actgcaaaat gaagacctgc tttcaactcc tttttccccc ctctagaaaa atcaaattga 300
atcttttaen ttacctcttg caaaaaaaaa aaaaaaaaaa aaa 343

```

```

<210> 607
<211> 255
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 247, 249
<223> n = A,T,C or G

```

```

<400> 607
ctgtggccct gactcactgg ccctgctggc atttattcag cacatattaa atgacgaagg 60
ctttgagtca acaccatcag tgggtaatca atctggttgc cctcccccta cctgagaga 120
gctatcctgc ccataaacta tcaaaggtta gtthttaggac cacataagta aacaagtcac 180
ttagataaac tacatttctg tgtatctatg ccctaagctt ttaagagaat tcagacctcg 240
gccgcgncnc cctta 255

```

```

<210> 608
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 303, 352
<223> n = A,T,C or G

```



```

<400> 608
ggaaacactt cacgaagggg caaaagtggc ttcaattcta agagtggaca gcgggggatct 60
tccaagtctg gaaagttgaa aggagatgac cttcaggcca ttaagaagga gctgacccag 120
ataaaacaaa aagtggattc tctcctggaa aacctggaaa aaattgaaaa ggaacagagc 180
aaacaagcag tagagatgaa gaatgataag tcagaagagg agcagagcag cagctccgtg 240
aagaaagatg agactaatgt gaagatggag tctgaggggg gtgcagatga ctctgctgag 300
ganggggggac ctactggatg atgatgataa tgaagatcgg ggggatgacc anacctcggc 360
cgcga 365

```

```

<210> 609
<211> 205
<212> DNA
<213> Homo sapiens

```

```

<400> 609
aaaatgcttt ggtggcactt ttgtaaacag attgcttcta gattgttaca aaccaagcct 60
aagacacatc tgtgaatact tagatttgta gcttaatcac attctagact tgtgagttga 120
atgacaaagc agttgaacaa aaattatggc atttaagaat ttaacatgtc ttagctgtaa 180
aatgagaaa gtgttggttg gtttt 205

```

```

<210> 610
<211> 140
<212> DNA
<213> Homo sapiens

```

```

<400> 610
aaacttgatc caacctcttt gcattcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cacgcctcat tacgattcgc 120
ctgcttgctt ctctgttca 140

```

```

<210> 611
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 335, 393, 411, 429, 452, 457, 462, 465, 488, 499, 528
<223> n = A,T,C or G

```

```

<400> 611
tccctctgtg gaagatattc aaaagccaca agtggtgcaa atgtttatgg tttttgtttt 60
tcaattttta ttttggtttt cttacaaagg ttgacatttt ccataacagg tgtaagagtg 120
ttgaaaaaaa aattcaaatt tttgggggag cgggggaagg agttaatgaa actgtattgc 180
acaatgctct gatcaatcct tctttttctc ttttgccac aatttaagca agtagatgtg 240
cagaagaaat ggaaggattc agctttcagt taaaaaagaa gaagaagaaa tggcaaagag 300
aaagtttttt caaattttct tcttttttaa tttanattga gttcatttat ttgaaacaga 360
ctgggccaat gtccacaaag aattcctggt cancaccacc gatgtccaaa ngtgcaatat 420
caaaggaang gcaggcgtga tggcttattt gntttgnatt cnaangatgg cttttccct 480
cggccggnaa cacccttang ggggaatttc cacacacttg gcggccgnta ctagtggatc 540
c 541

```

```

<210> 612

```

```
<220>  
<221> misc_feature  
<222> 1, 2  
<223> n = A,T,C or G
```

```
<400> 612
nnctggggta caagcagact ctgaagatga tcagacaagg caaagcgaaa ttggtcattc 60
tcgctaacaa ctgccagact ttgaggaaat ctgaaataga gtactatgct atgtttggcta 120
aaactgggtgt ccatacactac agtggcaata atattgaact gggcacagca tgcggaaaaat 180
actacagagt gtgcacactg gctatcattg atccagggtga ctctgacatc attagaagca 240
tgccagaaca gactgggtgaa aagtaaacct ttacacctac aaaatttcac ctgcaaacct 300
taaacctgca aaatttttct ttaataaaaat ttgctttgttt t 341
```

```
<210> 613
<211> 430
<212> DNA
<213> Homo sapiens
```

<400> 613						
ctgcaccaca	cttcagca	ggcctttggg	aaaggtggga	gagctagagg	aataattaa	60
gctggtggaa	ctcagttgga	gtttagaaag	cttcccataa	aatgcctgct	tgatgctgag	120
ttgggagggg	agagaagaag	gctccagagg	ctcactgagc	cccttccctg	gctctcgggg	180
taatttccag	aagggaagt	ccatgacaaa	gggcatccct	tccaagtgac	ccaccagttc	240
caggggacta	tgcccagtag	ctttcctgtt	ctcggcattt	gccttaagag	gacccccac	300
aaaagtcttc	tcattcttga	cgctgccaac	aaaggcatgt	gggctttgga	accagtcctt	360
cccttgagg	ctgtacccca	ccagacatgg	aagtttgtgc	tttggcccc	acaccctcgg	420
gccgcgaaca						480

```
<210> 614
<211> 377
<212> DNA
<213> Homo sapiens
```

```
<400> 614
aaacttaaat  tacctctcaa gagaccaagg tacatttacc tcattgtgta tataatgttt 60
aatattttgtc agagcatttct ccaggtttgc agttttattt ctataaagta tgggtattat 120
gttgctcagt  tactcaaagt gtactgtatt gtttatattt gtaccccaaa taacatcgtc 180
tgtacttttct gttttctgta ttgtatttgt gcaggattct ttaggcttta tcagtgtaat 240
ctctgccttt  taagatatgt acagaaaaatg tccatataaa ttccattga agtcgaatga 300
tactgagaag  cctgtaaaga ggagaaaaaaa acataagctg tgtttcccca taagtttttt 360
tacctgcggg  gcggccc
377
```

```
<210> 615
<211> 596
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 508, 512, 525, 545, 546, 553, 556, 588
```

<223> n = A,T,C or G

<400> 615

```
ctgagaaatc taggtggatt catattcgta atcattgatt aacatgcaca tttgggtttg 60
cacatttttg tttatcatac atttttctcc gttttctatt aaagaacatg ctctagggga 120
actattaata gcccaccagt cgggtaggca gcattcaatc cttctatgcc ttctttcgcc 180
acctgttgag gtctttcttc tgaaacaaag aagaaataga caaatcagac ttgccctctt 240
ggaaatgtgg tccagatttc tctactccca agctccaaaa aaggcataca ttggatgggc 300
tagatcaact cctcctgaga gccataaatc cgccaagagt tgttttccat gtaagggtgt 360
gggtacaatg gggaaacgct gatgttggag gaaagcagga ggactttaga agtggagtgt 420
cattctaata tctctgccgc ttcaactatg tgacctgggg caaatgatat aaactctatg 480
aacctctttc cttatcttta cctgccnngg cnggccgctc gaaanggcga atttcaacac 540
acctnngcgc cgnnttctat ggatccaact cggtaccaac cttggcgnaa tcatgg 596
```

<210> 616

<211> 214

<212> DNA

<213> Homo sapiens

<400> 616

```
cgcgcggcgc tggaaggtea gcgccgtaat ggcgttcttg gcgtcgggac cctacctgac 60
ccatcagcaa aagggtgttg gcctttataa gcgggcgcta cgccacctcg agtcgtgggtg 120
cgtccagaga gacaaatacc gatactttgc ttgtttgatg agagcccggg ttgaagaaca 180
taagaatgaa aaggatatgg cgaaggccac ccag 214
```

<210> 617

<211> 149

<212> DNA

<213> Homo sapiens

<400> 617

```
ctgtgggcgg ctctgtgtgc taacaacaaa gttccacttc caggtctgcc tggttccctc 60
ccccaggcca caggagctc cgtcagcttc tcccaagccc acgtcaggcc tggcctcatc 120
tcagaccctg cttaggatgg gggatgtgg 149
```

<210> 618

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 33

<223> n = A,T,C or G

<400> 618

```
ttttcacaag ggcttctgaa gaccttaaga ctnatatggt tgtggctaata acaatggaag 60
actttcagaa gatactagat tctggaaaga ttgttcagat tccattctgt ggggaaattg 120
actgtgagga ctggatcaaa aagaccactg ccagggatca agatcttgaa cctgggtgctc 180
catccatggg agctaaaagc ctttgcaccc ccttcaaacc actctgtgaa ctgcagcctg 240
gagccaaatg tgtctgtggc aagaaccctg ccaagtaact caccttattt ggtcgcagct 300
actgagggat gaacgaaagc cccctcttca actcctctca ctttttaaag cattgatatt 360
aagtatcttc tcagatacag accgttttat gatTTTTTtac ctgggccgcg accacgctta 420
agggcgaatt ccacacactt 440
```

<210> 619
 <211> 595
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 465, 502, 539, 547, 548, 552, 569, 574, 589
 <223> n = A,T,C or G

<400> 619
 ccagctctcc acgctgctcg gcctctgcaa tggcggcctc caggggaagcc ctctggcctt 60
 tgagggcctc aatctcagcc tggagccggc tgatgttccg gttcatctca gagatctcag 120
 tctttgtgcg ccgcaggtca tcccgtgct tcccagccag gctctgcagc tctcactact 180
 tgatctggta catgctctca gcctcagccc ggctgcgggt ggcaatatcc tcgtactgtg 240
 ccttgacctc agcaatgatg ctgtccatgt ccaggagcg gctgttgtcc atggacagca 300
 ccacagatgt gtccgagatc tgggactgca gctcccgat ctctcttca tatagctgcc 360
 tgaggaagtt gatctcgtcg gtcagccctt ccaggcgaga ctccagctct acctgtcat 420
 gtaagcttca tccacatcct tcttgatgag gacaaattcg ttctnctat ctgtacctta 480
 ttgatctcat cctcactact gntcttaagt cctccaccac ccctgatgtt gcaactccnc 540
 tcactttnct tntctggcca aattcagtn actnggcgga cacctaggna atcac 595

<210> 620
 <211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 386, 411, 429, 495, 515, 520, 521, 530, 531, 534, 553, 569,
 573
 <223> n = A,T,C or G

<400> 620
 tccctctgtg gaagatatcc aaaagccaca agtgggtgcaa atgtttatgg tttttgtttt 60
 tcaattttta ttttggtttt cttacaaagg ttgacatttt ccataacagg tgtaagagtg 120
 ttgaaaaaaa aattcaaatt tttgggggag cgggggaagg agttaatgaa actgtattgc 180
 acaatgctct gatcaatcct tctttttctc ttttgcccac aatttaagca agtagatgtg 240
 cagaagaaat ggaaggattc agctttcagt taaaaaagaa gaagaagaaa tggcaaagag 300
 aaagtttttt caaatctctt tcttttttaa tttaaaattg agttcattta tttgaaacag 360
 actgggccaa tgtccacaaa gaattnctgg tcagcaccac cgatttccaa ngtgcaatat 420
 caaaggaang ggcagcgtga tggcttaatt ggtttggtgatt ccaagaatgg cttttccacc 480
 tcggccgcga accncttaa gggcgaaatt ccacnccacn nttggcgcn ntttctatgg 540
 atccaacttt ggnaccacaa cttgggggna atnatgg 577

<210> 621
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 311, 317, 320, 324, 328

<223> n = A,T,C or G

<400> 621
 ccgggcccgtg tgacctccgt gcctagtcgt ggctctccat cttgtctcct ccccggtgcc 60
 ccaatgtctt cagtgggggg cccctcttg ggtcccctcc tctgccatca cctgaagacc 120
 cccacgcca aactgaatg tcacctgtgc ctgccgcctc ggtccacctt gcggcccgtg 180
 ttgactcaa ctcagctcct ttaacgctaa tatttcgggc aaaatcccat gcttgggttt 240
 tgtctttaac cctgtaacgc ttgcaatccc aataaagcat taaaagtcaa aaaaaaaaaa 300
 aaacttgggc ngaaacnacn ttangggnaa 330

<210> 622
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 622
 aaaaataatt tctattcaaa atacatgcat aattgatttt acacctcatt actggtggat 60
 aatttatgtg atgtggattg ctggtgtcca gcatgacca taaacaggtc agaagaatga 120
 tggaatgttt tagaataaac tcctgcttat agtatactac acagttcaaa agatgtttta 180
 aatgcttttg tatttactgc catgtaattg aatatatag attattgtaa cttttcaacc 240
 tgaaaatcaa gcagtatgag agtttagtta ttgtatgag tcactagtgt ctaatgaagc 300
 ttttacctcg gcccgcgacc acgc 324

<210> 623
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 623
 ccaaaagtgt agcatattct gcagcctctt ctttattttt cttggtacgc tgctttctca 60
 gagcaatacg ccgcccgttg tgctgcagga cacgtggagt aacaagacgc tgaatcttg 119

<210> 624
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 624
 ctgagattgc caagccggga agagacctg ctccagggtg agctgcgttt tccccagatc 60
 acctgtcctt ttcccctccg acaaggaagc tgtgattttt ctctggcctt tagaggcaaa 120
 gtgattccag ataagtagat taatgtgtag aatatctcat ctgtgttgtt ccagtgcagc 180
 cctttcagct ttccagagcc agttagactt gttatgagga gctaagtgat tggctggctc 240
 tggagctcag ttccatagat tatagcccag cgtacgagaa gcacgagtcc tatagttggc 300
 g 301

<210> 625
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 372, 374, 376, 382, 387, 393, 404, 411, 414, 424, 435, 438,
 443

<400>	628						
aaacacagcg	tttgaggcaa	acagtagcaa	cagcagcagc	aaatgcacca	aactgacgaa	60	
aagaccgaga	tattttctct	actcatagct	agactgttgt	gtctcaccct	ttacataaca	120	
tccaagtgag	attttccaca	gtgctacctt	ggcaacaaac	taaaaatatc	tagacaaggt	180	
cttgggtttta	gccttattaa	aaaagctttc	tttgtgatta	tctggtatct	ggtttgggtct	240	

```
ccagaaaata catagacttg gagataggta ggccctcacag gacttcattc tatatcttta 300
cagcatttgc aatcaaaact gg                                     322
```

```
<210> 629
<211> 496
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 442, 443, 450, 476
<223> n = A,T,C or G
```

```
<400> 629
aaactctgtg acttttcctg gttcaaaagg acagtcattg acagcagcag aggagtgggg 60
gtctgaaaaa tgtaatcttt gtgtcaaggc actctgtggc ctcaaaactg cccccctgtc 120
agaggggatgc tgccttccag ccctaaagac actagggtt ttcaatggac ggggtgttga 180
agcagccaga tggtaaggtc ttctgatgt cctccagatt gcgaatgtcc ttcatgatct 240
cctcgatata tgggttatag tccatgatgg cagcctcctg cttcttggct tcattctcca 300
ggtcagacac ttctctatca agatcgctga ccttcatttc atctttggct ttgtttaggg 360
tgcttcaat ctggttttagc ttattcaggt ccaactgtatc cagacctgcc cgggcggccg 420
caaggcgcaa ttccacacac tnntggcgcn gtctagtggg tccaactcgg accaancttg 480
gcgtaatcat ggcata                                     496
```

```
<210> 630
<211> 459
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 71, 74, 442
<223> n = A,T,C or G
```

```
<400> 630
aaaattctta ctgtttattt atatattgca tagctcaaaa agtttgaaaa aatgaagttt 60
taacaggaag ncantaaatg ctcatagacc ccttgtctc tagcaotttg agtcottaga 120
gatgggaatc ttgacagcag aatttcagat gtttcaatca cttgccaagg aagtgccaca 180
cttgcctctc ttcatctatt tctttatttg gtgaagatga taccgattca actaatgatc 240
ttgcttcctc ttgagtgcaa cggaaggcgc tatcagatat cttgcacgtt tgtgcaattt 300
atagctcctc cattacactt cttcataagc aatgctttcc aacattgatg agtggattta 360
ataacttcaa gagcaaaagc cttgtttttg aattctccat taaaagcaaa ctgggtttct 420
ggttttcccc tgcccgggcg gncgtcgaaa gggcgaatt                                     459
```

```
<210> 631
<211> 66
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 15, 20, 23, 26, 33
<223> n = A,T,C or G
```

<400> 631
actactatat ggcgnattgn ctncctngcat gcnatcttga gtattctata cgtgtcacct 60
aaatat 66

<210> 632
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 476, 484, 490, 523, 531, 541, 625, 648, 660, 671, 673, 686
<223> n = A,T,C or G

<400> 632
aaaagtcaca aatcacagtg ggagaatgcc aaattgcttt agcttggaac tactgaagac 60
gcacatagca tttattataa ggcctactct taggcagttc actctcaaag caatgaaaat 120
aatctcaaac caaacattac agtgggtttg aagcgttcct acgtttcttc cgagcaggtc 180
agttttacat ttgctacaca gcattcccca cgaatgcctg gtaattctat acatttgatt 240
ctttaataaa cactaaacta atagatcata gaaaaactaaa agcttagaga aggtgcctcc 300
agacatatatt acataaataa cgtacctcac aagaaagacc aagatctcat tagcgggtgga 360
atgctttttc ccaaggctgg gtccatgcct catttgtcaa attaacccca ttgagggaga 420
aatttgagtt tgtggttcat ggggttttga aaaaaaaaaa aaaaaaaagg gatttncccc 480
ttgnaaaacn tttttaaaat aatttaaaac ccaagggttc ccnggtaaag ncccaaccct 540
nttaaaaaaa aggggaaaaac ctttgttcct ttaacttttt aacatttttt tccctacctt 600
aaaggaaaaa aggtcccatc ccggnccctt aaaaaagggg gaaaaagnca aaggacgggn 660
ggccaaataa ntcccccccg ggcctnaagg aat 693

<210> 633
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 391, 418, 422, 425, 456, 478, 531, 558, 569, 575, 582, 600,
616
<223> n = A,T,C or G

<400> 633
ccattcctat gcatgtctgg gaggaccaca gccttggtgt ggagcactga caggtttgac 60
tttccaccag aattgcttgc tcagcttaat ccataaatat tcccttccct tagatttggt 120
ttctgtctcg gtaacttttt ctctctgcat ataaaaatttc atgactaaaa taacttttaa 180
gtacagagat tgtattttgt tgaaggaatg cattgggggg gctttgggca gacttagcaa 240
aatgtttgta tagcaaaaat gttttcttgc taaaaactga ttgcaaaact tgaaagtcta 300
gatgtgtgta ggaagatttt aaaattcagg caaattgggc tctaaagaga ccaattttgc 360
ttcctttgtc ttggttccaa taaggattta ntacaaaaaa gttcaaaagg ctggcttncc 420
anaanaattg tacatacttc tctgaacccc caaancaag ggaaaaaata cctctaantc 480
tattatttat ctcaggggta aaaactaact accttatatt taaataaaca nccctaaatt 540
aattttattta attttggngg gggggctttna ggaancaatt tnagggggga aaaaaagggn 600
tttccaaatt tttaangaaa aaacaaaaaac cccccaca 638

<210> 634
<211> 154

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 147, 149
<223> n = A,T,C or G

<400> 634
aataactttt tatttgacat ctacaagatt ttggcatctt gcagcttttt accaggttta 60
tacaatctcg atttttcaat agtgcaacct gtggaagcaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaanant aaaa 154

<210> 635
<211> 326
<212> DNA
<213> Homo sapiens

<400> 635
aaacagaaag tagttttatt ttttctaaat aggattttga tcacaaaaat gctggtgatt 60
caaaccttta aaacagaaga gcatacaacc taagaaaaat gcaaaacagg ctacaaacct 120
gtacatcatg ttactgcact gaatactgta ggcaactgta acataatggg atttgtatct 180
aaacatagaa aaggtatagt aaaaatacag tattacaatc ttatgagact gccaacatat 240
acgtgggtctg tcattgacca aaacatcatt atgtagtgca tgactattaa aattgtgcaa 300
aacaaacccc tgtatccata gtgttt 326

<210> 636
<211> 190
<212> DNA
<213> Homo sapiens

<400> 636
aaatgaagtg attctaagat ttggtttggg atcaatagga aagcatatgc agccaaccaa 60
gatgcaaagt ttttgaaatg atatgaccaa aattttaagt aggaaagtca cccaaacact 120
tctgctttca cttaagtgtc tggcccgcaa tactgtagga acaagcatga tcttggtact 180
gtgatatttt 190

<210> 637
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 63
<223> n = A,T,C or G

<400> 637
acatcaccta aaaaaggaaa ctgggtccta cggcttggac tttccaaccc tgacagaccc 60
ganagacaaa acaactgggt cttg 84

<210> 638
<211> 413
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 40, 179, 192, 211, 323, 338, 343, 367, 379, 380, 407

<223> n = A,T,C or G

<400> 638

```
ctgcaaacac cctgggccag aattttcttaa aacagctacn tgacaaaaac aatgctattg 60
acatccaata atgctaaagc ctgggtacca cccaggctcc actgactgtg gtttccaaac 120
atctctccac tgactgtggt tttcaaccac aaggaaagga aaatggaata ttctttggnt 180
cttccagcct anacacaact cctgacctaa nacattgagt ggagagtcct aaccctttgg 240
aagttgaact ttctgctttc ttcttgggac tttggaactg agtttgaaca aaggacctgc 300
catcatgctg cccatggatt ttnggttaac ccttgganaa atnttgcct ccttttctga 360
caaactnttt ttggacctnn ggcgcgaccc cccttagggg ggaattnccc ccc 413
```

<210> 639

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 250, 310, 315, 319, 325, 327

<223> n = A,T,C or G

<400> 639

```
cgaggtcctg ggctcgctg gaccacaagt ttgacctgat gtatgccaaag cgtgcctttg 60
ttcactggta cgtgggtgag gggatggagg aaggcgagtt ttcagaggcc cgtgaggaca 120
tggtgcctt tgagaaggat tatgaggagg ttggagcaga tagtgctgac ggagaggatg 180
aggggtgaaga gtattaacct gtgtgctgta cttttacact cctttgcttg gaactgctta 240
ttttgtctgn aatgctattg ccgtaaattg ttataaattg atgtttcatt ttacctgccc 300
ggcggccctn caaanggcna attcnancac cttggcgctg actaatggat ccaact 356
```

<210> 640

<211> 162

<212> DNA

<213> Homo sapiens

<400> 640

```
aaccacaaag ctttacatct tcattttgac tgttccatag cagaataaag cacttgaaag 60
gaaacaagac tccctttcac acatggatta ttataagttt caatcctggg atctgtgctt 120
gatttttatc agttttgtgt agatttttat gtttcatatt tt 162
```

<210> 641

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 243, 286, 393, 395, 430, 440, 459, 466, 476, 485, 501, 515, 528, 533, 539

<223> n = A,T,C or G

```

<400> 641
tccctctgtg gaagatatc aaaagccaca agtggtgcaa atgtttatgg tttttatatt 60
tcaattttta ttttggtttt cttacaaagg ttgacatttt ccataacagg tgtaagagtg 120
ttgaaaaaaa aattcaaatt tttgggggag cgggggaagg agttaatgaa actgtattgc 180
acaatgctct gatcaatcct tctttttctc ttttgcccac aatttaagca agtagatgtg 240
canaaaaaat ggaaggattc agctttcagt taaaaaagaa aaaaanaaat tggcaaagag 300
aaagtttttc aaattctttc ttttttaatt aaaatggagt tcattttatt gaaacaaact 360
ggggccaatg gtcccccata aattcctggg cancccccc catttccaaa ggggccaatt 420
ttcaaggaan ggcaggcctn aaggettatt tggtttgga ttcaangat gcttttcccc 480
ttcanttgc tttttaaaaca ncttttttca aaaanaagga cttggccnga acncccttng 540
ggg 543

```

<210> 642

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 239, 345, 358, 364, 375, 393, 394, 401

<223> n = A,T,C or G

<400> 642

```

aaacaagact ccagtatgtg aagggttaatt gctgtgctcc acagatcttg tctattggcc 60
cctgtagaaa gttaaccttt gttgttttcc ttttataatt tgcttattgc acaattgctt 120
tagggtaagt gaattatatt aagatgcctt gaaattatag cactccttga ttaagaagct 180
aaaatgtttc tctcatttac tccttaaaca aaagacttaa attagtttgg gtcattatnc 240
tttatttgca gcatttgggt tgtattagcg taagagcaag tataggatat ggagaggccc 300
tgctcatgaa acaaaggagg ccaggtata atacagtttc tectnccctc tacttttntc 360
ccanttttcc ctgtngttcc tttcccaatt gtnnattcct nctggccccc aaggga 417

```

<210> 643

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 436, 480, 483, 485, 502, 509, 512, 534, 543, 556

<223> n = A,T,C or G

<400> 643

```

aaatttcaga gatattaagc agagagagag tgaaaaagta acctttgttg ttttatccaa 60
ttttgcaagt tatgtataga gttagtaatg tttaaaogaa agggacttaa gccctgccta 120
gctctgacaa tggcaggaaa agaaaactca caggtaacta aacatttatc tagtaaggca 180
tagaacaagt tatattaaga tagatagatg aaacattatt caatgattac ttatgccttt 240
gtatataggc ctggtccagc gtcacatgaa agcagttcat tttgactgtc atcttctccc 300
aggtctgaag atggaacttt ggtcaacttg aatttgatgc cagatatcaa tattgactat 360
taagatcagt aggcgtcagg attccctttc agatgagata catgtcccag gagtcaaagc 420
cctgcaactt acaccncaag ggtagttaat acatttcata aagacctttt ttaagtgggn 480
tananggagc tctcactgat gntaacatna gntggggggg ggaactgagt tatnattgtg 540
ganactcccg cggcgnctaa gggaa 565

```

<210> 644
 <211> 331
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 279, 284, 320, 327
 <223> n = A,T,C or G

<400> 644
 ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60
 gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgccac acagggctcc 120
 agggagcttg gcttctgtag aagttctaag gaagcggtag gaactccacg gcggtggggc 180
 gctaactagc agggacccct gcaagtgttg gtcggggggc tcgagctgcc tgagctgaca 240
 cacctgcccg ggcggccgct cgaagggcga attccaccnc cctngggggc gttactagt 300
 gatccgagct cggtagcaan ctttgngaa a 331

<210> 645
 <211> 333
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 168, 190, 199, 280, 292, 312, 317, 320, 326
 <223> n = A,T,C or G

<400> 645
 cgaggtaaaa agaaaggcct tacatattta ttactgaatc cagccaacca acgtgttcat 60
 aacagattca gagaggaaaa cacgtcgaaa tctccagata gtggtgacat tttcagcttg 120
 atatggtaac atgatcgtga ccttcaaaca gcataaatat gtgtgcctc tcattgtgcaa 180
 ttctttatan acccagctng gttcttctcc aatgtctcct tttggagttg tacctgattt 240
 tactaccagg tttcatctga atccctggg ggatgggaacn attttgcttt tnttttttgg 300
 acctgcccgg gnggccnttn aagggnaaat tcc 333

<210> 646
 <211> 326
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 261, 264, 280
 <223> n = A,T,C or G

<400> 646
 ccgagaacta ttcctggcac tttttcgaaa gtttgatgag agatgccagc cccgtctttt 60
 ccttcgtgac ctggtggaga ccaccacct cttctcctaaa atgttgagc gattctgtcg 120
 gagccgtggg aacctgggtg tgcagaacaa acaaaagaag agaaggaaga agaagaagaa 180
 ggtcctagac caggccattg tttctggtaa tgtcccatct agcccagaag aagtggaggc 240
 tgtgtggacc tgcccgccg naangggcaa attccaccnc ccttggccgc cgttactagt 300
 ggatccgagc tcggtaccaa gcttgg 326

<210> 647
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 647
 gaagtgcatt gggcttcaat ctctgaacac tgtagaccca ttagaagact gttccgattg 60
 ttacaaattg tagtgctga aaacactctt aagctgattg tcttaacaaa atgaaagtgc 120
 tccaaagaca aaacagaaca attattataa caaaataatt atgggtgaaa tgtctgtggt 180
 tccttggaat tgctgcgtc tttgtgtttt tccatcatta gtgcagttgg aatgaatgtg 240
 tataggtcag aggtcctcgt gttcacattt t 271

<210> 648
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 268, 312, 363
 <223> n = A,T,C or G

<400> 648
 aaaatgcaaa gaaaattaac tttcaatgat atgttcaggg actggcacta aaaaaattt 60
 tcagactgca aatgagttat acaaatgaaa atatcaaatg gagatccagt tatcaaaatg 120
 aaagcactca acatattaaa agttcacaaag tatttgtatt gagcacatta caaaagtcag 180
 cttgctaact gttgtgattt taaagaacta ttgcagaagt ctgaagaaaa tagattttatt 240
 agttaactta taaagagatt aaagagntg aacaggtttt aaaagaaaaat tggggccttt 300
 ttaaaaagggt anggttttaa atttcccatt ttgaaaaaat aatggtggtg gtttggtttt 360
 ttntaaaaaa 370

<210> 649
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 58, 104, 149, 152, 192, 197, 208, 235, 261, 296, 299, 406,
 409, 448, 468, 469, 470
 <223> n = A,T,C or G

<400> 649
 ccacggggac tgttattcgc aagctggttt tctagaacct gttagctgga agcatggnga 60
 gcaccatttc tggacgctca ggccgtgtcg ggctttcagt catntccacc acacagggtac 120
 agcagcgctt tttggtagtc gcccttagng tnttgctgga tataatagta cagggaactg 180
 ccgtactttt tnttganttc aaacctantt ttcaacatgt ccacttcaact ggggnaaacc 240
 atgattttga tcaggacctt ntctcgcgtc cccttgccct tcatggagtc atacancna 300
 tcagcaaaat acagggcttg gttctgaatg cactgaacca ggttcaggaa agcatttccc 360
 aggtcctttt aacctctttc ctgatctttt ccaacatggt cataangnt ggaactcttt 420
 gtacctatta acttgccccg gggggcgntt ccaaaggggg ggaaattnnn ccccccccc 480

<210> 650

<211> 405
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 280, 317, 343, 383, 388
 <223> n = A,T,C or G

<400> 650
 aaaaaattag ttgcttttta tacagctata caaagttctt aatgtttctt tggcaatgga 60
 atataatgga attttacaac tatataaaaa agttaccttt gcctaagaaa cagtatttac 120
 tgtgtgtaca tagttgactg acaaaattct ctaccatcca gcaccctaata taattgacga 180
 aataagctac ctcatattac aggattcccc aaaagaaagg aggaaaaaga cacacacata 240
 cacacacaca cacacacaca cacacacaca cacaacctn tgtggctcaa aacacagtat 300
 cacggcccta tctgcangca acttgcaatt gcacctcgcc cngaccact ctagggcgaa 360
 ttccagcaca ctgcggcgctc tangatcnac tcgtccaact tggga 405

<210> 651
 <211> 638
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 254, 420, 482, 489, 504, 522, 528, 533, 535, 571, 589, 624
 <223> n = A,T,C or G

<400> 651
 caagatggct gtcttcgcct tagtactcgt gtgaagttgg cagggacggt tcctgtcatc 60
 ttcttgggct tatttggtgt gctgttgaag gggggagact agagaaatgg cagggaacct 120
 cttatccggg gcaggtaggc gcctgtggga ctgggtgcct ctggcgtgca gaagcttctc 180
 tcttgggtgtg cctagattga tcggtataag gctcactctc ccgccccca aagtgggtga 240
 tcgttgggaa cganaaaagg gccatgttcg gactgtatga caacatcggg atcctgggaa 300
 actttgaaaa gcaccccaa gaactgatca ggggggcccc tatggctttc gaggttggaa 360
 agggaatgaa ttgcaccgtt gtatccgaaa gaggaaaatg gttggaagaa gaatgttcgn 420
 tgatgacctg cacaacctta ataacgcac cgcttatctc tacaacact tttaaccgac 480
 cntgggaang tttccaatag aaanaaaaaa acttgaaaaa cnttcggnaa aangnttcat 540
 cttttccccc ttgaaaaaag ggaaacttgt nctttttccc tgggaaggna aaccggtttt 600
 ggaatttttc tcttgaaaaa aaantggggg tttttttt 638

<210> 652
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 369, 376, 404
 <223> n = A,T,C or G

<400> 652
 aaaattttag aagttaagac ttacgactac ctcaagtatat gccattccta atagaaggag 60
 gtatgacggt ttcaaaactcg tgcagagctg cattttcatt tacaagtctc tgtaggcact 120

ttagaagtga	agcttggtct	caaagtacaa	acactggggg	ctttgggtca	accttttaat	180
ataaaaaaat	tcactgatgt	acaaaaattt	gaaagtgtga	caatgacaat	tatgaaatcc	240
tgtgactgaa	agtcacctcg	agtgcactct	gtgggtgcac	atgcgcccgc	cacacaaact	300
ctgcgatgga	aacataaact	aatgcaaacc	atgctcccag	aaccacacag	tgtgtctcat	360
tcccaaatnc	agacanactc	gcggaacctc	gggaatcacc	actnccgcgtc	taggtcactc	420
gacactgggt	atg					433

<210> 653

<211> 566

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 465, 474, 484, 485, 516, 522, 540, 541, 542, 550, 565

<223> n = A, T, C or G

<400> 653

ccataaacac	agaagatggt	tttggcttta	cattgacaca	tttctgtgtg	tcaatgtaga	60
agagaaaaga	agtttaatta	taccttttaa	gcaggcaaac	cattataata	aactgcttta	120
gaaattactt	taaaattata	cacgtttgga	acaacagatt	ttttaaaaaa	tgaagtttgg	180
tgttatgtca	gcattttaac	tatttttgct	atagcgaggc	ctcctcatat	attatcataa	240
tttatcatag	tttaaatagt	gaatcatatt	ctgatattct	gattaataat	catattaatt	300
ttgacaatga	ttttagtttt	tgaagtttta	gactgcatct	taaaaaaggc	cataatctct	360
ttaaaatacct	catcatagaa	tattaacttt	taataaaaag	ttattttgat	attggaataa	420
ggacatggta	ccaatatctg	ttttacctgg	aagcatgaaa	atgtnttaaa	aggnaaataa	480
aaannccaaa	gtagtgtttt	aactcggcgg	cgaccnccct	anggggaatt	ccccccccc	540
nngggcgttn	ctatggatcc	aactng				566

<210> 654

<211> 234

<212> DNA

<213> Homo sapiens

<400> 654

ccagcgacct	ccggtttcaa	ttcttcagtc	cggctgggtga	accaggettcc	agcatccttc	60
cggttctgct	cggccatgac	ctcataattgg	cttcgcatgt	cactcaggat	cttggcgaga	120
tcggtgcccg	gagcggaaatc	caacctccaca	ctgacctggc	ctcccacttg	gcccctcagc	180
gtactgattt	cctctcatg	gtttcttcttc	aggtaggcca	gtcttctctt	cagg	234

<210> 655

<211> 169

<212> DNA

<213> Homo sapiens

<400> 655

```

aaaaccctga aaatatTTTaa tacagaataa aaacaataag ctcaaagtac atgttttcact 60
ataatagaca ccatattcat gaacctgggt ttggttttgg caacacataa tttttgggtt 120
aaaagtgaac aatgaaaacg gatgtttcac attcaatatc ctagtcttt 169

```

<210> 656

<211> 601

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 495, 504, 509, 517, 535, 540, 544, 546, 593
 <223> n = A,T,C or G

<400> 656
 tctggatctt ccaaaatata cagaaaaaga aactctacgc tctaaactga tccaagctat 60
 tgatcacaat gaaggcttca gtttaatatata actttggagt tataactatt cagtttagtg 120
 caaaagcatt aaactatattg tgttttttctt gtgggtgatga attcagcaag gtgacagagg 180
 tactattata attccttactt gcagaatggt caatctacga gtgttcattg aagccaaaaa 240
 atattaaagg aaaatgaaca aactgttaat attattgtac agaaccatgg attttttttg 300
 accatcttct aataaacata gcaagtatta tgaatacatt aaagttttac taacatgaat 360
 ttttaagagtt tgcataatttc aaaaatgacg tgggtgtgagt gcatggaaaat attgcttaat 420
 ttttcttcaa tcattgagtg aaaaaccttt aactttggcc tgcaatagca tttgatattt 480
 tttcattttg taaanaaagg taantttgna ataaanatt attttttgat accantccan 540
 tttntntggt gtaattgact tgaacaaaat ttactttggc gggaaccccc ttngggggaaa 600
 t 601

<210> 657
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 657
 ccatctatac accattctta ccacacaatt gacaaatgat gaactttctg agaaggtgaa 60
 aaactatagc aacctccttg ctttctgtag gagaattgaa cagcactatt ttgaagatcg 120
 tggtaaaggc aggcgtgcat agagttatgt gtagtctca ggagtcttaa cttttgaaat 180
 atgttttact tgaatgttac attagatatt ggtgtcagaa tttt 224

<210> 658
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 218, 229, 235, 263, 265, 271, 286, 289
 <223> n = A,T,C or G

<400> 658
 ccatggaaga agggcaggca tatggagtat gaatgcccct acttggtata tgtgcccgtg 60
 gtcgccttcc gcttgagacc caaggatggg aaaggtgtgt ttgcagtgga tggggaattg 120
 atggttagcg agggcgtgca gggccagggtg caccctaaact acttctggat ggtcagcggg 180
 tgcgtggagc ccccgcccaa acctcggcog caaccaacnc aagggaant tccancaccc 240
 ttggcgcggt actagtggat ccanactccg naccctaaact tggggnaana tggggg 296

<210> 659
 <211> 532
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 425, 434, 507, 514

<223> n = A,T,C or G

<400> 659

```

gcccaaacat ctcccttgcac ttttgttggc tgaattgggt acaagtgggt ctatagatgg 60
taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa atgtcttgag 120
aagatatatc aaggaatatg tcacttgtca cacatgccga tcaccggaca caatcctgca 180
gaaggacaca cgactctatt tcctacagtg cgaaacttgt cattctagat gttctgttgc 240
cagtatcaaa accggcttcc aggetgtcac gggcaagcga gcacagctcc gtgccaaagc 300
taactaattt gctaatact gattttgcaa acttgttgtg gagatgtggc ttggacaggt 360
ttgccatcag aagtggatat ccgttgtatt aaaaacaaga taaaaaactg ccaagatttt 420
tggcnagtgg tggnotgaat ccttgcaaga ccttatgctc aactgttgac atctcttgct 480
cttaccctgt aaaaaactga aatgggnaag aggnntttac tcgcggacc ta 532

```

<210> 660

<211> 626

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 432, 498, 531, 534, 548, 566, 572, 580, 593, 601, 611, 612, 617, 622

<223> n = A,T,C or G

<400> 660

```

aaattcttgc attacacttt tctttttaaa ccaatcttcc aggagattaa tcaatgaaat 60
ttataagttt tatcaacgta taaaattttt ttcatcttct gggactcata gaatacaatc 120
tgtgtttctg accagttgag gtagttaaaa tagggagggc ttttctaatt tcgtatttga 180
ctatttcaga aagaaagggt atcttttact ggtgagcaca gtcattgctc tgcagatggg 240
ctaggattca aagaatataa cacagtgttg ttatcataaa gagtgttgaa gtttatttat 300
tatagcacca ttgagacatt ttgaaatttg aattggtaaa aaaataaaac aaaaagcatt 360
tgaattgtat ttggtggaac agcaaaaaaa gagaagtatc atttttcttt gtcaaattat 420
actgttccaa cntttgaaa taaataaact gaattttgtc ggcacttgca ctggttgaca 480
agattagaca agaggacncc tatggagtaa atttttttgg tgggatttca natnagtcgg 540
ttataaanga aacaggccac gtcccnccaa tntttaggn ctgccgggg ccnaagggaa 600
ntccccccct nnggggnttt tngcca 626

```

<210> 661

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 304, 314, 320, 338

<223> n = A,T,C or G

<400> 661

```

gaaggccttc gataggcact gcaacatggt gctggagaac gtgaaggaga tgtggactga 60
ggtacccaag agtggcaagg gcaagaagaa gtccaagcca gtcaacaaag accgctacat 120
ctccaagatg ttctgcgcg gggactcagt catcggtggtc ctgcggaacc cgctcatcgc 180
cggcaagtag gggccgctgt ctgttgacag aactcactcc tctgtcctat gaagaccgct 240
gccattgggt ttgagaataa taaagctctg tgtttttttc taaaaaaaaa aaaaaaaaaa 300

```

aaancctttg gccnggaacn ccttttgggg gaattccncc ccct

344

<210> 662

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 332, 344, 346, 386, 418, 427, 431, 444, 476, 494, 498, 508

<223> n = A,T,C or G

<400> 662

```
ccggacatcc caacgcacatgc tccctggagct cacagcccttc tgtggtgtca tttctgaaac 60
aagggcgtgg atccctcaac caagaagaat gtttatgtct tcaagtgacc tgtactgctt 120
ggggactatt ggagaaaata aggtggagtc ctacttggtt aaaaaatatg tatctaagaa 180
tgttctaggg cactctggga acctataaag gcaggtatct cgggccctcc tcttcaggaa 240
tcttcctgaa gacatggccc agtcgaagcc caggatggct tttgctgcgg ccccggtggg 300
taggagggac agaagagaca gggaagagtc anccctccat tcanangcat cacaagtaat 360
ggcacaatct cttcggtatc ttgcanaaaa tatggtttgt agttcaacac tcaagacnaa 420
cttatnttta ngataactct taangcaact tattcatcct cactttgcct cttacncatg 480
taaaagatta tttnaacnga ggagatgntg tggacctccg ctggacctaa ataccttgta 540
ctact 545
```

<210> 663

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 362, 371, 381, 409, 466, 469, 476

<223> n = A,T,C or G

<400> 663

```
ccactgcagc accattggca agagctaaaa gctggacaca agccggatgg cccgcggctg 60
gggaggtgca aatgaactac aatccatoca catgaaaact gggcgctgct acaggaagga 120
ggctccttgt gtgccatcag ggagaggcct tggcgccagc tccctaggaa ggcaggctgc 180
caggcagtat gtccagaagg agctcactct ggtgaaaaca acaaacaagc catcaacact 240
ggctgtgcag gcaaaggcgc agagtccaga aggaatagtc ctgactgtta gcagagctaa 300
cagtctttcc tgctctctgt ccactctgtgt gtccttccat tcatccatct cttctgctgg 360
anacacttca ngggcgcaact natgtggggg gggggggcct tccacttgna ttttatatct 420
ttggactgct ttgttcacac taaacatcaa ccctttactc ggccgnganc cccttngggg 480
gaattccccc ccc 493
```

<210> 664

<211> 329

<212> DNA

<213> Homo sapiens

<400> 664

```
aaagtgtgta gttttttatc aattttttga ggccctcttat ttcctgaggc tacattttta 60
agtattaaaa gttaggcaac tacaaccaag gaacttggtc atttgttatt tgtaccaa 120
gttcacaaac ttattcgggc gtggtggtgc ctgtttgcaa tcccacctat tggagaagct 180
```

```

ggggcgggag agtctcttga ctctagaaga cggaggttgc agtgatccga gatcgcgcca 240
ctgccctcca gtcagagtgg cagagactcc tggggcggga gagtctcttg actctagaag 300
acggaggttg tagtgatccg agatcgcg 329

```

```

<210> 665
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<400> 665
ccagitttgt gtcggtttct attccgcctt ccttgtagca gataagggtta ttgtcacttc 60
aaaacacaaac aacgataccc agcacatctg ggagtctgac tccaatgaat tttctgtaat 120
tgctgaccca agaggaaaca ctctaggacg gggaacgaca attacccttg tcttaaaaga 180
agaagcatct gattaccttg aattggatac aattaaaaat ctcgtaaaaa aatattcaca 240
gttcataaac tttcctatct atgtatggag cagcaagact gaaactgttg aggagcccat 300
ggaggaagaa gaacagccaa agaagagaaa gaagaatctg atgatgaagc tgcagtagag 360
aaaa 364

```

```

<210> 666
<211> 173
<212> DNA
<213> Homo sapiens

```

```

<400> 666
gtgctgtgcc acctggtgcc gacaagaaag ccgaggttgg ggctgggtca gcaaccgaat 60
tccagtttag aggcggattt ggtcgtggac gtggctcagcc acctcagtaa aattggagag 120
gattcttttg cattgaataa acttacagcc agaaaaaaaa aaaaaaaaaa aaa 173

```

```

<210> 667
<211> 200
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 188, 195, 197
<223> n = A,T,C or G

```

```

<400> 667
aaaaaaaaattc ccccttttaa ttgaccaaag taaagccatg acatttcatt tggtaacctg 60
tttagaatta taaaaatcat ttcatctggc ccagcccata ctgccaaga caaaacttcc 120
agacaattct gatgccatcc agttttgttc ttacaaactg catattaaaa aaaaaaaaaa 180
aaaaaaaaantt ttcancnccc 200

```

```

<210> 668
<211> 235
<212> DNA
<213> Homo sapiens

```

```

<400> 668
ctgtcaacga aggcttgaac caacctacgg atgactcgtg ctttgacccc tacacagttt 60
cccattatgc cgttggagat gagtgggaac gaatgtctga atcaggcttt aaactgttgt 120
gccagtgttt aggcttttga agtggtcatt tcagatgtga ttcatctaga tgggtgccatg 180
acaatggtgt gaactacaag attggagaga agtgggaccg tcaggagagaa aatgg 235

```

<210> 669
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 511
 <223> n = A,T,C or G

```
<400> 669
aaagcgggag atacatgagg tgggaagctt gttacaggag ccggaacaa aggcagtaaa 60
ttattttgtg acatgtctta gattttgagg aaaaccggaa ttgcaactta ggttttatct 120
actttaggac cttgcagcag catggcaaag gagacaggat cttacaggac tttacaaagt 180
atgtttacaa ggaatctgaa ttgggagtgt agataaggct cactgggtcac agaaaaatga 240
gcagttaaca ttccctttatt ttagtttcag gggcggggga agggagagag ggagagaaga 300
tacagggaac cttacagcaa atttttcact gtttatagct ttcttgggga agaaaacaca 360
tgcacgaatc ctggtgttag gaatatatta agcgtatata ttcaatatta ttcattcagg 420
actgaagtaa gtctgatgc aggaatgaa tgagtttcac agctttctga cccctcttgc 480
ccaggaaccc agactgccgg gcgggcgctc naaaggggaa 520
```

<210> 670
 <211> 363
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 341, 347, 358
 <223> n = A,T,C or G

```
<400> 670
aaaattatct acactgaggt tacataactt tggtaaaagt tccaaagttc actaatatat 60
tcctaggggg cactaaaaaa atctacaact ttattttaat aattttcaag gctacttact 120
ttcttcattg cattcactct ccacgaattc ataaaaatg catggacacc tatcgattca 180
aagtacacca taaacttact gtaaaaatcc agtattactt aaaacatctc tactatcatt 240
caaatggttt aatctgactt aatgggcagt ttgctcaagt gaaccacctg ctgctcactt 300
aattctcttc acattaatct taatttacct gcccgggcgg ncgctcnaaa aggggaantt 360
ccc 363
```

<210> 671
 <211> 153
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 140, 146, 148
 <223> n = A,T,C or G

```
<400> 671
cctgcttcac ttgcagataa gtttattata attctccaga aatgtgtagg atgtgcatta 60
gcaaattgca ctgtactttt cactccagcc tgggtgacag agcaagactc ccgtctcggg 120
```

ggcttaaaaa aaaaaaaaaan gctgtntnta aat

153

<210> 672

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 469, 477, 481, 486, 507, 528, 575, 583, 592, 595, 604, 605, 606, 618, 655, 660, 686, 688, 689, 707, 716, 718

<223> n = A,T,C or G

<400> 672

```

ccaactatgc ctctcagaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaataat gttgaacttg 120
ttgctgaggg caacagcagg ttcaacttaca ctgttcttgg agatggctgc tctaaaaaga 180
caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgctgccct 240
tccttgatat tgcacctttg gacatcggcg gtgtgacca ggaattcttt gtggacattg 300
gccagtctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360
actttctctt tgccatttct tcttcttctt ttttaactga aagctgaatc cttccatttc 420
ttcttgccat ctacttgctt taaattgtgg gcaaaagaaa aaaaagaang gattgantca 480
naacanttgt gccaatataa gtttcantta acttcttttc ccccgctncc cccaaaaaat 540
ttgaaatttt ttttttaacc cctttttacc ccccnttttt ggnaaaaagg tnaanccttt 600
tgtnnnaaaa accccaanta aaaaattgaa aaaaaaaaaa cccttaaaaa ttttncccn 660
ccttgggggt tttgaaaatt ttcccnenna gggaagttec cttggcngga ccccntngg 720
gggaa 725

```

<210> 673

<211> 363

<212> DNA

<213> Homo sapiens

<400> 673

```

aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aacctgggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaacttgg ggcaataaat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa atttttttaa aaatacacca cagatacaa ctcaatacag 240
gagtatttct tctcaaattc ttctagcacc atcaacattc ttcaagtatc tgaaatacta 300
ttaattagca cctttgtatt atgaacaaaa caaaacaagg acctcagttc atccctgtct 360
agg 363

```

<210> 674

<211> 295

<212> DNA

<213> Homo sapiens

<400> 674

```

ggcaggtccc tggactagtg cagtccttgc cctcagcccc agaccagaga tgggtggtat 60
atgccatgtg ggggtgggtga tgtcagtaga taaaagtgtg agagaagggg tctccaggga 120
agagtcacag gctgttggac acagcctggg tggcagaggg cagggtcacc accctctagc 180
atcagtgcct gctcctgcct gccctggccc tgaggctcca ccacttcttc ctccaccag 240
gacctaattg acgtgtgttt tgttttttgt tttttacctc ggcccgcgac cagc 295

```

<210> 675
 <211> 360
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 299, 311, 323
 <223> n = A,T,C or G

<400> 675
 aaaaaccata catccttttt attgttaagt cataaagagg tatcaaaatt aaaagcaaaa 60
 attacagggg aagacttaac aaaactacta ggagcgtcaa aggaagtga aatgggacta 120
 ggcgcggggc aatatgaatt aatgaacatg ggaaggacaa ggatggggag aacagtgagc 180
 atgtgctgaa gatactaggg gagaggatct ggtgaaaaat ttgatcttag acaagcgctt 240
 aggtaaagaa ataatgggat aagattttcac ctgcggccgc gaccacgctt aaggggaant 300
 tccccccccc ntgggggcgcg ttntagtggt atccgagctc ggtaccaagc ttggcggaat 360

<210> 676
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 676
 ccatgtgtgt caaagtcagg gaatccctcc tcctgggagc caagaggaag tctctcaaaa 60
 ctagaaggga aagggtgttt ctcacatca atccagcttt ggagacattc tattagtac 120
 atatgccctt tcccccaaaa acaacaatga agtgttctgt gtgctaacia catagctttt 180
 aaaaaaaaaa aaagtaaaac aaaatttt 208

<210> 677
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 176, 362, 439, 450, 453, 470, 482
 <223> n = A,T,C or G

<400> 677
 ataactgtca acctgacacc cgagctgggt caggtgaacg agtactgaga ggagagaatg 60
 tacgtttgct ttacccaccg ccaccaagaa agcagtcga tgagattttt tttttggagg 120
 ggggaggggtc tacacagcaa gagaacagaa atattgtgtc tcatgaagga tcacanagtt 180
 cagggggaaa atgtgacagc acacgcacaa acgccttcac tggatcagcc gctggaactg 240
 agggagttag cttggggact tccttgcgtc gcactggctt tctgttttca caagacagac 300
 gtctgtcccg ctgctctctc cccatctcct accccacatc ctgtcttagc cgcagtctcc 360
 anacccatga tgaactgtga tctgcggtgg cctgcggtgg tctgcggtg gacctgtccc 420
 taccatgacc ttggacctnt tgccctcaan canaggaaac cccagggan actcgcggga 480
 cnccttaggg gaatcc 496

<210> 678
 <211> 570
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 427, 481, 525, 549, 550, 559

<223> n = A,T,C or G

<400> 678

```
gtagctggcg gtcccgggtg ctgctggtta gtgtgctctg ggggagggtc cgagccagcc 60
gctgttttgc cggaggagcc cctcaggccg tagtaagcat taataatgtc tttcatcttt 120
gagtggatct acaatggctt cagcagtgtg ctccagttcc taggactgta caagaaatct 180
ggaaaacttg tattcttagg ttgggataat gcaggcaaaa ccactcttct tcacatgctc 240
aaagatgaca gattgggcca acatgttcca aactacatc cgacatcaga agagctaaca 300
attgctggaa tgacctttac aacttttgat cttgggtgggc acgagcaagc acgtcgcgtt 360
tggaataatt atctccagc aattaaatgg ggattgtctt tctgggtggac tgtgcagatc 420
attctcncct cgtggaatcc aaagttgaac ttaatgcttt aatgactgat gaaacaatat 480
ncaatgtgcc aatccttata ttgggtaaca aaaatgacag aacanatcca tcatgaaaaa 540
aaactccnnn aaaaatttng gtttttggac 570
```

<210> 679

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 459, 505, 512

<223> n = A,T,C or G

<400> 679

```
aaaagaattt ttgctttctt tctctctaaa ttttcttcc gtgctttgat gcgggctcgt 60
ttctcacgtt ccagctctgag aaaatgggtc acataaggca aggcaaagaa tcgtttccta 120
ttgtatcttt tatttaggtg ccaaggtata accactgct tgaacttggt ccagatgatt 180
cttccaaaga tgtctcttct ccaagcacca ggtctagctc tttcttgacc agtctgaaga 240
agccttaggg catcttctct ttcttggaac actttatcta atgcatccat ggaatctact 300
accttatcta accgctctgg acttggcatt ggcaatctct gccgcttggc ctctgctct 360
agggttagaa gcatgtttct ttctttcagt aagacatacc aaaagtttgt gtaaattctc 420
attacttttt tcttatttgc tgacagggtc atgctgctnc agaatttact ttttcttgcc 480
cccagttttt tgggcatcaa aaaancctgc cngcgccgt ct 522
```

<210> 680

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 47, 52, 55, 60, 65, 72, 80, 88, 124, 193, 308, 346, 377, 420

<223> n = A,T,C or G

<400> 680

```
caggaagatg gtggcccgca aagaaaaacga aaaagtcgt ggggtcnatc anctntaggn 60
tccanctcgt tntgaaaagn gggaagtncc tcttggggta caagcagact ctgaagatga 120
tcanacaagg caaagcgaaa ttggtcattc tcgctaaca ctgccagct ttgaggaaat 180
```

```
<210> 681
<211> 182
<212> DNA
<213> Homo sapiens
```

```
<210> 682
<211> 427
<212> DNA
<213> Homo sapiens
```

```

<400> 682
aaatgaaatt  acaaactacc  cctccttgtc  aaaaatccac  atgaagttga  tattggtggt  60
tataaatcac  tctctcccag  tccctcactg  gttccaacct  tcaggtgata  aaaattagga  120
tgggatccat  cctccctgtg  ctgacagtct  ggggtccccg  catgtatgca  caaacccgcc  180
cagcgtgcgc  acacacgttc  agaagaaatc  ttcaaaggaa  ccgagcgttt  ggagaaagtg  240
gcaagtccac  agaatcagag  gttacgaaca  caccttcaat  aatattaata  cattcctgtc  300
tttaaattcc  ttgccatggt  tccatcaaag  tagagcacac  attgttttcc  agaacctggg  360
ggctcgacct  ggggtgggaca  ccaggatgca  gacctcggcc  gcganccct  taaggngaa  420
attccc                                     427

```

```
<210> 683
<211> 419
<212> DNA
<213> Homo sapiens
```

<210>	684
<211>	509
<212>	DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 295, 372, 421, 429, 469, 478, 481, 497, 500

<223> n = A,T,C or G

<400> 684

```
ccagccacgg taaccaacgat ggggtccatcg ctggatggga ccagaaagtg aatacgccga 60
ggcatagggg tgtacgagaa aaagagggtt catcgtaggg tcaccgaagg aggaaatggg 120
aggaaacgtc aaatccatct cctgaggag tttggggctg gggtttttaa gggtttgga 180
gtggagactg gagtgtggga gatggttgat tggtcgaagt gtgcagggtg ggagtcattg 240
gaagagggag acgaaagctg tttttttcat tgcttgaatc accattcctc ttgtnggggg 300
gtctttcaaa acttgggttg gtggtccggc ttgtttttgc ttggaaaatt caaggaatct 360
tgaaaaaac antcttttaa gccaaagtct tttaaaccaa aaaaaatctt taatgaattc 420
ntaaatggnc aagaaaaatc ccccatctta ttttttacc ttgccccng ggcggggncc 480
ncttttaaaa aaggggnggn aaatttttt 509
```

<210> 685

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 375, 388, 393, 395, 404, 407, 421, 424, 435, 436

<223> n = A,T,C or G

<400> 685

```
ccacctagca gggctcctct aaacacgcaa ctacgcgagg ggacccctt cacctctggc 60
aagagagctg ggtagatcag aaacttggtg acacctggct agcacagagc aggtcactt 120
gtcttggtcc cactacccag attcctgcag acattgcaaa ccaaataag gttgttgaat 180
gacccctgtc ccagccact tgttttgta tcatctgtc tgcagtggaa tgcctgtgtg 240
tttgagttca ctctgcatct gtatatgtga gtatagaaac cgagtcaagt gatcatgtgc 300
atccagacac actgtgtcac ctgaccacag agcaaatacc ttaacaatct ggaatgaaac 360
ttgtgaccag tgccnccctg ggtgggtntg gananactgc cgtntnttt ttgaactcgg 420
ncngaacac ccttnngggg gaatt 445
```

<210> 686

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 152, 171, 250, 265, 284, 302, 304, 310, 315, 323, 328, 329

<223> n = A,T,C or G

<400> 686

```
gtccttaggc accagtcttt gttaaacaaa accctttggc actattgtgg ttttctattc 60
tctgtctgaa ctctattcaa aagtatcttt gctctcttgg gccttttctt ttactgtttt 120
gttttttttt tctaattctg ctttcatact anccagtgtg gggaaaagg ncaatatgtc 180
aaagagatga gagagtgtta tttcttgggc aattttctat tagtgtttct tattttggac 240
ctcggccgcn accaccctaa gggcnaattc caaccccaact gggngcggtta ctagtggatc 300
```

cnanctcggn ccaancttgg ggnaaaanng gg

332

<210> 687

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 446, 458, 478, 503, 511, 518, 522, 547, 548, 558, 559, 568, 571

<223> n = A,T,C or G

<400> 687

```
ccaggagggg tctggctggg acatgccact ctgggccatc agcttctgga tccactcaaa 60
gtggtggctg atattggtgt agacaccggg ccgattgggc cgaccacagc ccactcccca 120
gtcacgact ccaatctgat accacagtc attcttggtta caggccaagg gtccacctga 180
gtcaccgaag caggcatcct tccgccttg ggcattgcca gcacaaacca tgtctccaaa 240
gatgtccttg cggaaactgt acttgaggaa gaggtggttg cacatagagt tgtttatgat 300
ggcgacctga acttcctgga ggggtgtggg agatggcaat gctcatcct ctttgatgta 360
ccccagcca gtcaccacgc agtcttgctc gggttctcaa cttaaagtgt gaggccttgg 420
aaacagatgg gcttggtatg gtttantgta ggtgacangt gcagacaact tcaccaangc 480
aatgtcatag ggtgaattcc cangtagcga nggctcanat anattttata ccaataacgg 540
gtgtagnnga ctcggcgnaa ccccttangg ngaat 575
```

<210> 688

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 447, 487

<223> n = A,T,C or G

<400> 688

```
cattaggcca gcaacgcttg tagaactcac tctgggctgt aacgtggcac tggtaggttg 60
ggacaccagg gaagaagatc aacgcctcac tgaaacatgg ctgtgtttgc agcctgctct 120
agtgggacag cccagagcct ggctgcccat catgtggccc caccaatca agggaagaag 180
gaggaatgct ggactggagg cccctggagc cagatgggaa gagggtgaca gcttcctttc 240
ctgtgtgtac tctgtccagt tcctttagaa aaaatggatg cccagaggac tcccaaccct 300
ggcttggggg caagaaacag ccagcaagag ttagaggcct tagggcactg ggctgtttgt 360
ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct aggacctcgg 420
gccgcgacca cgcttaaggg cgaattncaa cacactgggc gggccgttct aatgggatcc 480
caacttngg 489
```

<210> 689

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 355, 408, 415, 465, 472, 508, 522, 546, 547, 556, 572

<223> n = A,T,C or G

<400> 689

```
ctgttatttta tgtggctcat gatgcttatt gagcaatctg caaaaataga tttcctgtct 60
cacacaggac agggtagatt tccagcaagc ataatcaaaa tctccaagtc ttttgggtcaa 120
attagagctg ccaccatgca cgagggttta cttaaagggtg tttactgatg aataaactca 180
cacttctgtg aactgggttct tgcttcttgt gcagctaact ctttccacct ctctttgttc 240
tgctgaatga tgtccaccag gttgttcttg aaactcttca ggtccactgc tgcaagggag 300
tagtctgggg aataggaccc atcaactcatg gagccttttg tatttgatcg cttantgcat 360
caacaatgtg taaccccaca atgggtgggtt gagctgcttg ccacatanga agaantttcg 420
gcttttgaag gtttccctct ttaaaaaagaa ataacaattt tcttntgttg antcttgtca 480
aaaaaaaaaa aatgtttggg aaccttgncc cgggcggggc cntttaaaaa gggggaaaat 540
tccaanncac ctggngggg cggttactta anggggaacc caaa 584
```

<210> 690

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 104, 144, 170

<223> n = A,T,C or G

<400> 690

```
cctcggggct tatacaatga gcagtgggct ctaccttcca acaggaagtg caaactaatt 60
cgaagtcaca cttcaccagg agggagagat ggtcttggct gaangcactt taatcaaggg 120
aacaaaccca atgccggaat ttgncttctc ttacttttat aaatctaaan accacttttt 180
tggaaaacca aactg 196
```

<210> 691

<211> 365

<212> DNA

<213> Homo sapiens

<400> 691

```
aagaattcac ttgagtccta tgcttcaac atgaaagcaa ctgttgaaga tgagaaactt 60
caaggcaaga ttaacgatga ggacaaacag aagattctgg acaagtgtaa tgaaattatc 120
aactggcttg ataagaatca gactgccgag aaggaagaat ttgaacatca acagaaagag 180
ctggagaaaag tttgcaaccc catcatcacc aagctgtacc agagtgcagg aggcattgcca 240
ggaggaatgc ctgggggatt tcttgggtgt ggagctcctc cctctgggtg tgcttctca 300
gggcccacca ttgaagaggt tgattaagcc aaccaagtgt agatgtagca ttgttccaca 360
cattt 365
```

<210> 692

<211> 293

<212> DNA

<213> Homo sapiens

<400> 692

```
aaaatccctc aaaaactgtt tattatacaa gtgagttttg agtcacgatg ggcttatcgg 60
taggatttct ggtagcgagc gcgggcacca ggacctccaa actttttgga ctgcagcga 120
cgagggtcag ctaccagcag ggtccggtca tactggatga ggatgtcttt gatctccttc 180
ttggaagcct catccacata tttctggtaa taggccacca gggctttgga gatggactga 240
```

cggatagcat aaatctgggc cacgtgacca ccacccttta cacggacacg gat 293

<210> 693

<211> 230

<212> DNA

<213> Homo sapiens

<400> 693

```
cctgggttttg gatttcagaa tcttagctcc gggctccact cgtgtggcag caagactgct 60
tcgttccagc gtttagaaac acacctgtat ttgattctca gccaggggag cactcgctgc 120
actggtggga ggcggttggg aaagttagcag gaaaacctta gtcttccatc cttctgaccc 180
atggtggaaa ttcacaccat ggatttttaa tggatctttg ttctaggcag 230
```

<210> 694

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 394, 499, 532

<223> n = A,T,C or G

<400> 694

```
ctggtaccaa aacagagata tagaccaatg gaacagaaca gagccctcag aaataatgcc 60
gcataatctac aactatccaa tctttgacaa acctgagtaa aacaagcaat ggggaaagga 120
ttccctatatt aataaatggt gctgggaaaa ctggctagcc atatggagaa agctgaaact 180
ggatcccttc cttacacctt atacaaaaat taattcaaat ggattaaaga cttacatggt 240
agacctaaaa ccataaaaac ctagaagaaa acctaggcaa taccattcag gacataggca 300
tgggcaagga cttcatgtct aaaacaccaa aagcaatggc acaaaaagct aaaattgaca 360
agtgggatct aattaaacta aagagcttct tgcncagcaa aagaaaccac catcagagaa 420
caggcaaccc tacagaaagg ggagaaaaat ttttgcaacc tacctcatct tgacaaaagg 480
ggttaatttc ccgaaaatnt accattggaa acttcaaacc aaaattttta anaaaaaaaa 540
aaaaaaaaaa acccccttta aaaaaa 566
```

<210> 695

<211> 169

<212> DNA

<213> Homo sapiens

<400> 695

```
atgtgacaaa gaaaaatgat acttctcttt ttttgcgtgt ccaccaaata caattcaaat 60
gctttctggt ttattttttt accaattcca atttcaaaaat gtctcaatgg tgctataata 120
aataaacttc aacactcttt atgataaaaa aaaaaaaaaa aaaaagttt 169
```

<210> 696

<211> 239

<212> DNA

<213> Homo sapiens

<400> 696

```
aaacactgac atcctgtgaa gatgccagtc ttacaggcg tttgtaaaag tagactgtgg 60
ggagtatggt aactaatac aaagttttac aaatgaatac aagtgaata tataaattac 120
aatgaaatag aggaagattg tggctctgtc ctgggttggt tcttttagca gtcattatgc 180
```

tgttggtgag agcagcaaaa gccacatatg cctccaagca ctccatttat tacttgaat 239

<210> 697
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 697
 acctgctcca gcatcaactat cctgagccct aaagagtgtg aggtcttcta ccttggcgtg 60
 gtcaccaaca acatgatatg tgctggactg gaccggggcc aggacccttg ccagagtgac 120
 tctggaggcc ccttggcctg tgacgagacc ctccaaggca tcctctcgtg ggggtgttac 180
 ccctgtggct ctgcccagca tccag 205

<210> 698
 <211> 595
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 384, 475, 477, 483, 507, 518, 551, 556, 582, 587, 588
 <223> n = A,T,C or G

<400> 698
 ggcagtgtaa gctgatgggg tcaaatgaag gtgaattcaa ggctgaagga aatagcaaat 60
 tcacctacac agttctggag gatggttgca cgaaacacac tggggaatgg agcaaacag 120
 tctttgaata tcgaacacgc aaggctgtga gactacctat tgtagatatt gcaccctatg 180
 acattggtgg tcttgatcaa gaatttggtg tggacgttgg ccttgtttgc tttttataaa 240
 ccaaactcta tctgaaatcc caacaaaaaa aatttaactc catatgtgtt cctcttgttc 300
 taatcttgtc aaccagtgc aagtaccgac aaaattccag ttattttatt ccaaaatggt 360
 tggaacagat ataatttgac aaanaaaaaa gatacttctc ttttttttgc tgttccaccc 420
 aatacaattc aaatgctttt tggttttatt tttaccaatt tcaatttcaa aagtntnaat 480
 gngnggttaa taaataactt cacactnttt ttgatacnaa aaaaaaaaaa aaaaaaaaaat 540
 ttttaaaact ncgcnccccc ctgggggaat cccccgggg gngttanngg gacca 595

<210> 699
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 699
 ctgaccccca ggataagcac tggctggctg agcagcatca catgcgggca acagggggca 60
 agatggccta cctcctcatc gaggaggaca tccgggacct tgcgccagat gatgattaca 120
 gaggatgcct ggatctgaag ctagaggaat tgaaatcctt tgtcctaccc tcttggatgg 180
 tggagaagat gagaaagtat atggagacac tacggacaga gaatgagcat cgtgctgttg 240
 aagcacctcc acagacctga ggccgggtcc cctgg 275

<210> 700
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 66, 201, 213, 225, 251, 255, 261, 262, 265, 280, 290, 303,
313, 322, 339, 373

<223> n = A,T,C or G

<400> 700

```
cagatgccga ggtggatggt gtggatgaag aggaggagga cgaagaagga gaagatgagg 60
aagacnagga cgatgaggat ggtgaagaag aggagtttga tgaagaagat gatgaagatg 120
aagatgtaga aggggatgag gacgacgatg aagtcagtga ggaggaagaa gaatttggac 180
ttgatgaaga agatgaagat naggatgagg atnaagaaga ggaanaaggt gggaaagggtg 240
aaaagaggaa naaanaaacc nnatnattga agggagaaan atgatttaan aacccccaga 300
ttnacccttg canaaaacca anaaacttgt ttcaaattnt tttgggtttg ggaccttgcc 360
ttcaattggg ganttttttg g                                     381
```

<210> 701

<211> 204

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 54, 79, 91, 117, 125, 138, 164, 174, 187, 194

<223> n = A,T,C or G

<400> 701

```
gtgctatgta tgggtgtgtgt gttgtgtatg tgggtgtgtg tgtgtgtggt gcanggggca 60
tgtgtgtggt gtatgctcnt gtgtgtgctg ngctcgtgtg tgtgctgtgt tcatgcntgt 120
gctgngtggt gtgtgtgngt actgcgggga tcataaaaata tgantgcttt ttangatggg 180
aattganatg taanatttgg gggt                                     204
```

<210> 702

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 259, 264, 289, 336, 350, 359, 367, 375, 383, 388, 389, 397,
402, 417

<223> n = A,T,C or G

<400> 702

```
aaattaaaga tgtctagttg ctttttataa gaccaagaag gagaaaatcc gacaacctgg 60
aaagattttt gttttcactg cttgtatgat gtttccatt catacaccta taaatctcta 120
acaaggaggc ctttgaactg ccttgtgttc tgtgagaaac aaatatttac ttagaagtgg 180
aaagggactg attgagaatg ttccattcca atgaaatgca ttacaactta caatgctgct 240
tattggtggg agtactatna agantcaaat ttttctaaca tatggaaang cttttgtct 300
tccaaaaata atacctaggg ataatgggtt aacttnggcc ggaacaccn ttaagggcna 360
attccanacc cttgncggcc gtncttannng gatccnact tnggaccaac tttggngnaa 420
at                                     422
```

<210> 703

<211> 257

<212> DNA

<213> Homo sapiens

```

<400> 703
ccatccttca gaagatcgac ttccgctatt ggggagagtc tgaggagtcc gttctccac 60
ggggcctcgt cactctttgc gaagggcgcc tggcaggtca aatgacctcc atttccacct 120
cgccttccac cttcttcttt tgcttctcca tcaactgcctc cagctctgac actttctctt 180
tgtcctccag cagcgagcgc tgcacgggtga cctggctgta cacacgtgcc ccctcctcgg 240
ggctcaccgc ccgcagc                                     257

```

```

<210> 704
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<400> 704
aaaatatgtt tattttgtat gttttacaat gaatacttca gcaaagaaaa taattataat 60
ttcaaaatgc aatccctgga ttgataaat atcctttata atcgattaca ctaatcaata 120
tctagaaata tacatagaca aagtttagcta atgaataaaa taagtaaaat gactacataa 180
actcaatttc agggatgagg gatcatgcat gatcagttaa gtcact                    226

```

```

<210> 705
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 336, 396, 406, 422, 435, 459
<223> n = A,T,C or G

```

```

<400> 705
aaatcaagca catccttgct aatttcaaaa actaccagtt ctttattggt gaaaacatga 60
atccagatgg catggttgct ctattggact accgtgagga tgggtgtgacc ccatatatga 120
ttttctttta ggatggttta gaaatggaaa aatgttaaca aatgtggcaa ttattttgga 180
tctatcacct gtcatacataa ctggcttctg cttgtcatcc acacaacacc aggacttaag 240
acaaatggga ctgatgtcat cttgagctct tcatattatt tgactgtgat ttatttgag 300
tgagggcatt gtttttaaga aaaacatgtc atgtanggtt gctaaaaata aaatgcattt 360
accttgcccc gcggcgcgtc gaagggcgaa ttccancaca ctggcnggcg gtctagtgga 420
tnccaactcg gaccnaactt ggcgtaatat tggcataant tttcc                    465

```

```

<210> 706
<211> 221
<212> DNA
<213> Homo sapiens

```

```

<400> 706
ggcaggtcgc gcggccgtgg aaggtcagcg ccgtaatggc gttcttggcg tcgggaccct 60
acctgaccga tcagcaaaaag gtgttgcggc ttataagcg ggcgctacgc cacctcgagt 120
cgtggtgcgt ccagagagac aaataccgat actttgcttg ttgatgaga gcccggtttg 180
aagaacataa gaatgaaaag gatatggcga aggccacca g                                     221

```

```

<210> 707
<211> 144
<212> DNA
<213> Homo sapiens

```

<400> 707
 caacattctt caagtatctg aaatactatt aattagcacc tttgtattat gaacaaaaca 60
 aaacaaggac ctacgttcat ctctgtctag gtcagcacct aacaatgtgg atcacactca 120
 tgggaaagtg ttttgaggta gttt 144

<210> 708
 <211> 608
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 424, 505, 526, 527, 534, 551, 567, 606, 607
 <223> n = A,T,C or G

<400> 708
 ctgtctgaac gtgcatgcc a tgcaagcctg tgcatttctt cccacgccag aaacaccaac 60
 gttagcagtg agaaacagcc tctttagtag gaatcgctcg tttgttatag atgttatagc 120
 cacgtgtatt ctctctgatg gacagctata gcagatcagc ttatacttgt cctataattc 180
 attatatatc aaatggtgag caaatcacta gacagaacat tccctgaaat agattttagt 240
 acagaggcct gaattcatgt ccacaatgac ctgtgcttaa ctattccaaa ggtcgctaaa 300
 gatactgtta ctactattga gatattattg ggctacttca cgtttacata gtaaatgttt 360
 gcagcatata acattacaga ctcataaacc cataattaac ttataagtgt taatggacaa 420
 ctgngctttg atttttgcct ttagtgataa aaaacaaaagt aatgaaatgg gtactcctca 480
 aagcatggac aattttacttt gctantaggg aaaacaaaac aaaatnncaa ttcntgtgga 540
 accgaacctc naaatacaca aaattgnnta aaggccaaag gtgaccggac taacacatga 600
 accttnnt 608

<210> 709
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 709
 cggcgccgcg cccatagccg gacggggatc tgagctggca ggatgaatgt gggggtggca 60
 cacagcgaag taaaccccaa cacccgagtg atgaatagcc gaggcactct gctggcctac 120
 atcatcttgg taggattgct gcataatggt ctactcagca tccccttctt cagcattcct 180
 gttgtctgga ccctgaccaa cgtcatccat aacctggcta cgtatgtctt ccttcatacg 240
 gtgaaaggga caccctttga gactcctgac caaggaaagg ctcggtact gacacactgg 300
 gagcaaatgg actatgggct ccagtttacc tcttcccgc agttcctcag catctctcct 360
 attgtgctct atctcctg 378

<210> 710
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 710
 cacctgccgt gacctcaaga tgtgccactc tgactggaag agtggagagt actggattga 60
 cccaaccaaa ggctgcaacc tggatgccat caaagtcttc tgcaacatgg agactgggtga 120
 gacctgcgtg taccocactc agcccagtggt ggcccagaag aactggtaca tcagcaagaa 180
 cccaaggac aagaggcatg tctgggttcgg cgagagcatg accgatggat tccagttcga 240
 gtatggcggc cagggtccg accctgccga tgtgg 275

<210> 711
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 711
 tgaaatcatt gatgaccaca gagctgggaa aattgttgtg aacctcacag gcaggctaaa 60
 caagtgtggg gtgatcagcc ccagatttga cgtgcaactc aaagacctgg aaaaatggca 120
 gaataatctg cttccatccc gccagtttgg ttccattgta ctgacaacct cag 173

<210> 712
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 712
 caggtaaaat atcacagtaa caagatcatg cttgttcccta cagtattgcg ggccagacac 60
 ttaagtgaag gcagaagtgt ttgggtgact ttccctaacta aaattttggg catatcattt 120
 caaaacattt gcattcttgg ttgctgcata tgctttcccta ttgatcccaa accaaatctt 180
 agaatcactt cattt 195

<210> 713
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 345, 427, 436, 467, 486, 489, 494
 <223> n = A,T,C or G

<400> 713
 ctgctgaaac ttgggcctct cctctggatc taaggcccag caacaggcca tcacagcaaa 60
 taattcatca ggacagttga ttggctgggc tattcggttaa ccattcttca ggtatgcggc 120
 catctcgaag gggcgaatgt ccacgtaggg agtctggccc agagtcatga gttccacag 180
 cgtcactcca aaggcccaca catcactagc gctagagaac tcgttattaa ccagactttc 240
 aagagccatc caacgaactg gcctgttttc attgtccccc agacagtgat agtccatggg 300
 gaacaagtct ctggagaggg cattgtctgt gatcttaact tgaantgtgt catcaatgac 360
 acagttcctg gcaaccaggt ctttgtggat gacttccctt ctggacctcg gccgcgacca 420
 cccttanggc gaattncaca cactggcggc cgtactaatg gatccanctc ggaccaact 480
 tggcgnaana tggmataa 498

<210> 714
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 714
 aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60
 tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccgagtt acttttcccc 120
 agatgactct ggttttgttt ggtttgccgc caggagtgaac tgtgttggtc tttgctttat 180
 atacataage gcattctctg cccaaataga attctgtttc atctcgggcg tgaacacctt 240
 caatttta 248

<210> 720

<211> 328
 <212> DNA
 <213> Homo sapiens

<400> 720
 ccagacctga ggcccacaga cctgggtcccc acaaccagga ttccctacaat gtacacattc 60
 ctaatccagg ctcaactctc ctttaacccaa aagtaaattgc ctcaggactc aatctgaatc 120
 actgtctgtc tcagcttctt tcacatccac gctgaatttg tactcctggg cacatcccat 180
 gtaagcgtca ctcatgaagt acagagtgtg gttgtgggca ccagtggctg gggccacaaa 240
 gtccaacttc accttggcct tctgctgcaa ggtcagcctc ttgatggaga tgaggctatt 300
 ggacttggca tctccaatca ccacccac 328

<210> 721
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 721
 aaaatcacaa cagttagcaa gctgactttt gtaatgtgct caatacaaat acttgtgaac 60
 ttttaatatg ttgagtgtct tcattttgat aactggatct ccatttgata ttttcatttg 120
 tataactcat ttgcagctctg aaaatttttt ttagtgccag tccctgaaca tatcattgaa 180
 agttaatttt ctttgcattt t 201

<210> 722
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 722
 cacaagcctc ttctgaagat ggaaggcctt ttgcccgttg aggtagaggg gaaggaaatc 60
 tctctttttg tacccaatac ttatgttgta ttgttggtgc gaaagtaaaa acactacctc 120
 ttttgagact ttgccaggg tctgtgtgct ggatgggggt gcaggcagcc ttgaccacgg 180
 ctgttcccct caccctaaaag aattatcatc ccaacagcca agaccaaca ggtgctgaac 240
 tgtgcatcaa ccaggaagag ttctatcccc aagctgg 277

<210> 723
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 723
 ctgattttat ttccttctca aaaaaagtta ttacagaag gtatatatca acaatctgac 60
 aggcagtga cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
 gtttttgtgg ccttgaattt taagacaaat attctacaag gcattattgca caggatggat 180
 ggcaaaaaaa agtttaaaaa caaaaaccct taacgggaact gccttaaaaa ggcagacgtc 240
 ctagtgcctg tcatgttata ttaaaccatac atacacacaa tcttttttgc tattataata 300
 cagacttaaa tgtacaaaga tgttttccct tttttcaatt ttt 343

<210> 724
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 724

```

aagagatctg aaaccagcca tagtgaaagt ctatgattac tacgagacgg atgagtttgc 60
aattgctgag tacaatgctc cttgcagcaa agatcttgga aatgcttgaa gaccacaagg 120
ctgaaaagtg ctttgctgga gtcctgttct cagagctcca cagaagacac gtgtttttgt 180
atcttt 186

```

```

<210> 725
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 323
<223> n = A,T,C or G

```

```

<400> 725
aaataaatac ttagaacacg acttggtctc tacaagcacc tggactctag gtctcagtac 60
tggagtgtct caccatgagg cccacgcag ggacgccacg gttccctccc acccctgat 120
caagacacgg aatcggtctc cgatggttgg atcgcaatgc gcccttttc tagagccttc 180
cccgccatc tacaggcagg atgcggtctg gaaaaagaca actggaattt ctggaaggtt 240
gatggtccgc acggttgagg attctacgtg gttctcttgg tccccctggg gtgtgtgtgt 300
gtggaggagg ccgcggccct tanatcacct tcttgagctc gtc 343

```

```

<210> 726
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 726
ccagggactc cagaatgatg ccccatggcc cctcggcgtc acagagaaga aaatagtctc 60
cagtggactc gatgcagtc ttgtacatgg tgacttatgg gtgtggacct caccagaatg 120
gttttctgat gccctgcaga aaaaggatga gacaaattga caactctgca tctcttaggt 180
tgggtcaaaa gtaattgtgc tttttgctat taaaagtaat ggcaagaagg ctgggtgcgg 240
tggtcactc ctgttatccc agcactttgg aaggctgagg cgggccgac acttgaggtc 300
agcagttcaa gaccagcttg gacctgcccg ggcgcccgct cgagccctat agtgagtcgt 360
attag 365

```

```

<210> 727
<211> 214
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 33, 39, 70, 73, 91, 97
<223> n = A,T,C or G

```

```

<400> 727
ctgagctcca cacagccaca tgaggatggg gancagccnt tccttggggt ttgaaataac 60
gaataaagtn gancagtga tttcaatcaa nctggtncat caggaccgtc ttgccaaaac 120
accagttggc ttttggttgc tggaagctgt agcttttcaa aacgttcaca catttcaatg 180
tatcgtcaat gtttttacct cggccggacc acgc 214

```

```

<210> 728

```

<211> 191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 126, 136, 140, 146, 149, 160
 <223> n = A,T,C or G

<400> 728
 gaagtggggt ggaagaagtg ggggtgggacg acagtgaaat ctagagtaaa accaagctgg 60
 cccaagggtgt cctgcaggct gtaatgcagt ttaatcagag tgccattttt tttttttgtt 120
 caaatnattt taattnttgn aatgcncant ttttttaatn tgcaaataaa aagtttacct 180
 cggccgcaac c 191

<210> 729
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 412, 460, 497, 513, 516, 519, 524, 546, 556, 564
 <223> n = A,T,C or G

<400> 729
 nttagaaaat aaaactttta atacttaaga gataacatga tgcaaacgtt gcttggtggc 60
 ctgactttcc aggactaaga cctctctggga atcaatgggg ctcggtgaca tggcgtaacc 120
 tgctactggg gtgtgggtctc agacacaaaa tcacactgga tggttggtcta caaaggcagg 180
 attctctcat tgctggataa ctcttgaaat gaagcctttg cctttgttac acatttggct 240
 ttacaatctt cattgacaaa tagttcggca aagagtagag gagcacggcc acgaagagca 300
 gcaggataag caggaacagc aagccgatga tgacccactt aaagcggcgc cacacgatga 360
 acttcatggt cttgcatggg ttggtgaacc agaagaagga ggtttctggt cnatttggtg 420
 aagtccactt ggggttatgt tgggtcgtec gcccttcgn tggttcgtc ggctctttcg 480
 tgaggattcc atgtatntcc tttccacatt ccngcncnt ttttctacat gacttgccac 540
 cctagnaatc acctgngcgt ctangtcaact gacat 575

<210> 730
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 730
 ggatttttaat atgatatttt attatgggtg tctgtaagga aaaaaaagat caacaaccac 60
 atacaagctt acaaaagttaa atttcaacac attctctatg ctagtgtgac aaaagcagcc 120
 ccataatttg gtttttattg ttga 144

<210> 731
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 731
 aaaatactga acaaaaagac taaaaagggc caaccaaact tgaatgtaca aatggagtac 60

```

cttcttcaaa aaatacaaga aaaatgttaa acattttgtt cctacaggtt aaaatatctg 120
ctgcctatta ggttcttctg tgacatgtgc ctcccagcag tgaactaaat ttgtcgacat 180
aaactggatt gctaaactat gctaaatata agatgttcac atatttttat tatggtaaaa 240
aattttctaa atatgttcta catgtttctt atttatttgc ctctgaagga aggttggcct 300
gaagaactga aagaacctct tattttgcaa gacaggccca agcatgtaat acttttgtac 360
catatgagat ttatatgaaa taaatttttt 390

```

```

<210> 732
<211> 695
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 43, 272, 315, 321, 323, 431, 436, 453, 463, 473, 485, 509,
532, 542, 564, 580, 585, 598, 602, 637, 639, 649, 654, 661,
666, 673, 674, 689, 693
<223> n = A,T,C or G

```

```

<400> 732
cggccgaggt aaaacaattt acctcagaat tccaagttga agntcccaaa gtatattaaa 60
aacttctcaa atcattaatt tgaatcagat gttccaaatc aaagggaatt aaatactctt 120
ttttcttggg ccaattggat aaatcttgaa acctattttg aaatagtatt aaagtgcaca 180
gaaaaagcca aaaatatatc ttttgccttg gcctttggat atttttaacc atggtaccat 240
tttttggccc aaggcttggg aaatattcca anttaggaaa ataaaaagcc cttctttcat 300
cattaaaagc tttanggata ntnaaattat ttcttggaa ggaatggaa atttcccctt 360
aaattacctt ttttaagttt aaatttcccc ggtggaaaaa taaagccaaa aacaggcccc 420
tttgggaata nttggnaaaa acctggtttc ttnaaaggta atnggggaaa atnaattctt 480
tctnaagaa atttgcccaa accctttanc ccgaagggtt aacctggagt tnttttgaag 540
gncctgaagt atttttgctt gggnoctggc caatcatttn tttancctgg ccccggnng 600
gncgctttga aaagggggga aatttccaca ccccttngng ggccggttnc ttanggggat 660
nccaanctcg ggnnccaaac tttgggggna aanat 695

```

```

<210> 733
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 213, 347
<223> n = A,T,C or G

```

```

<400> 733
ttttttttgc ttttatgggt tttatttttc aatttttatt ttggttttct tacaaagggt 60
gacattttcc ataacagggt taagagtgtt gaaaaaaaat tcaaattttt gggggagcgg 120
gggaaggagt taatgaaact gtattgcaca atgctctgat caatccttct ttttctcttt 180
tgcccacaat ttaagcaagt agatgtgcag aanaaatgga aggattcagc tttcagttaa 240
aaaagaagaa gaagaaatgg caaagagaaa gttttttcaa atttctttct tttttaattt 300
aaattgagtt catttatatt aaacagactg ggccaatgtc cacaanaaat tcctgggtcaa 360
caccaccgat cctgccccgg cgagg 384

```

```

<210> 734
<211> 458

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 271, 364, 384, 405, 407
<223> n = A,T,C or G

<400> 734
ctgagcctga gtgcgaagac ggagagaagg cggaccacag tcatgacatc aacccccata 60
acctggggac aactcaagaa aaccacacag gaggttgaga aactactgga gcaccagggg 120
cagtctgtaa agttggatgg accaccaatg ggaaaatgag agctgcccac cctggcctta 180
cactccttca attaatacat aaacagaaaag gaggatatac agagagccaa aggcccatgg 240
gacgtgacca acattccact gagtctatac natcaaacag caaactgttt atcatgaata 300
cagaatgtgg gcaaactcat gacttgtgcc tgccccaaaa ggtttgctga agggcaattg 360
cttncctgacg cccagctcct tganggtatc tattgggaca tccananaat gcagtcctgc 420
aagcctactc tggaccgaac aaaactcggc cgcgaaca 458

<210> 735
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 224, 296, 325, 394, 403, 443
<223> n = A,T,C or G

<400> 735
aaaaaagtga cattgcttta ttactattgg caggtggggc ctgcatgagg tggttagtgt 60
gtcaggggga tgggtgggct gtggagatga tgacagaaag gctggaagga aaggggggtg 120
gtttgaaggc cagggccaaag gggtcctcag gtccgcttct gggaaggga agccttgagg 180
aaggagtcac ggcaagccat agctaggcca ccaatcagat taanaaattc tgagaaatct 240
agctgacat cactgttggg gtccagtttc ttcacatgc cggtaagga caccanggt 300
ccttcttggg tctttgtgaa ggcancttag ttcttgtatt catgaaactt aaggaactct 360
ttctttggaa aagaagtgtg agttataacc catncttttc canccatacc tttttggaaa 420
aacaacaaat caaggggact tcnaatgcac cgg 453

<210> 736
<211> 317
<212> DNA
<213> Homo sapiens

<400> 736
ccagagcgag tctaccctgg taatctccac cttagacaaa taattataat ctagcattgc 60
aaaaaagaaa taacacatat ctaccagaga tatacacaac aatttcatac cagcattgtt 120
agtaattaga agaattataa gcaatctatg ttgcaacagt aggaaaatgg ataaatgagc 180
tgtagtacat gtataaaaaga gtcaaaacag agaaaatgaa tgaactagaa ctacatcttt 240
aacatatatg aatacttttc aaaagaaaac aatctgcttg agattatata caatattttc 300
ctattttatac aaggttt 317

<210> 737
<211> 220
<212> DNA

<213> Homo sapiens

<400> 737

```
ccagggcccc cctgctccag gctgggcgtc agaaaccctt cccagcccc tcggacttcc 60
ccaggggtgga ggtccctca aacacagccc ctcagcttct aggetgcttt ggaggccaga 120
caggaagagt tccattcatt caccctgatc ccagcagtag tagcgggatg agaaactcac 180
ccccaggccg ggggtgcttg gagagcgctt gagaggattt 220
```

<210> 738

<211> 262

<212> DNA

<213> Homo sapiens

<400> 738

```
aaaaacagac tgtaacttga tcttctgaaa tccttctcga accacaactc gttctgttaa 60
agaaatccta ggaaagaagt cctactgata ttgtcgatag tctccaaaag gtgaggaagg 120
taactgagtt gaaggcaact gggaggggtc ttctgcaaac tgaggaccat tgggaaactg 180
tgcagaggca aatcttgtca acaagatacc agctccttca attaaageta ggagaatgcc 240
accattgcg gctgacccaa cc 262
```

<210> 739

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 536, 537, 540, 564

<223> n = A,T,C or G

<400> 739

```
agaaggccct gaagctgatg gggtc aaatg aaggtgaatt caaggctgaa ggaaatagca 60
aattcaccta cacagtctcg gaggatgggt gcacgaaaca cactggggaa tggagcaaaa 120
cagtctttga atatcgaaca cgcaaggctg tgagactacc tattgtagat attgcacct 180
atgacattgg tggctctgat caagaatttg gtgtggacgt tggccctggt tgctttttat 240
aaacaaaact ctatctgaaa tccaacaaa aaaaatttaa ctccatatgt gttcctcttg 300
ttotaatctt gtcaaccagt gcaagtgaac gacaaaattc agttatttat ttcaaaatgt 360
ttggaaacag tataatttga caaagaaaaa tgatcttctc tttttttgct ggtcccccaa 420
atacaattca aatgcttttt gtttattttt taccaatttc aattcaaaat gtctcaatgg 480
ggctttaata aataacttca acctctttat gacaaaaaaa aaaaaaaaaa aaattnnctn 540
ccgggggcct taggggaaaa tcncac 567
```

<210> 740

<211> 357

<212> DNA

<213> Homo sapiens

<400> 740

```
aaataattat ctatgtgcct gtatttcctt tttgagtgtc gcacaacatg ttaacatatt 60
agtgtaaaag cagatgaagc aaccacgtgt tctaaagtct agggattgtg ctataatccc 120
tatttagttc aaaattaacc agaattcttc catgtgaaat ggaccaaact catattattg 180
ttatgtaaat acagagtttt aatgcagtat gacatcccac aggggaaaag aatgtctgtg 240
gtgggtgact gttatcaaat attttataga atacaatgaa cgggtgaacag actggtaact 300
tgtttgagtt cccatgacag atttgagact tgtcaatagc aaatcatttt tgtatttt 357
```


<210> 741
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 741
 ccaccctttc agactccttt ctgaatgctt gtggcatctg ccccatgatt aggaatggac 60
 accctgacca cgtcatagat gccatttca cactggcatg tggatagtga ctataaaacg 120
 tcccttcaga acaaaccaag acctgaaggg gaagcaggaa gggacaccca cacactgagt 180
 ctctgctctc atcctagctt atctgg 206

<210> 742
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 254, 392
 <223> n = A,T,C or G

<400> 742
 aaatagccta aatgatggtg cttggtgagt cttggttcta aaggtaccaa acaaggaagc 60
 caaagttttc aaactgctgc ataccttgac aaggaaaatc tatatttgtc ttccgatcaa 120
 catttatgac ctaagtcagg taatatacct ggtttacttc tttagcattt ttatgcagac 180
 agtctgttat gcactgtggt ttcagatgtg caataatttg tacaatgggt tattcccaag 240
 tatgccttaa gcanaacaaa tgtgttttct tatatagttc cttgccttaa taaatatgta 300
 atataaattt aagcaaacgt ctattttgta tatttgtaaa ctacaaagta aaatgaacat 360
 tttgtggagt ttgtattttg catactcaag gngagaatta aagtttt 407

<210> 743
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 743
 aaaaatgtct aaatttgctt ttgccatggc gctaattgcta atggtaaatt attgattgcg 60
 tg 62

<210> 744
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 477, 480, 484, 510, 521, 525, 530, 541, 550
 <223> n = A,T,C or G

<400> 744
 cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
 ggtgtgctgg cctcggacac gaaggcccca gaagtgacgc agccctctat gggcccgaa 120
 cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180

```

gctgtatattt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcgtgga ttctgcataa tggatgacac acgttccacc tcctcctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt ctcaacacca catgagcata tcttcggccc 360
acacccttaa tggcagtgat ggcaaaagct attttccgcc cccatcgatt tgggtgttgag 420
tactccaaaa tatgctggaa cttttcagga tactagagaa tggctgcaca caagcgnggn 480
tganctcac ctgcgggac acctaaggcn aatcacaatg nggcntctan ggaccactcg 540
nccactgggn atatgga 557

```

```

<210> 745
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<400> 745
aaaacattgt caggtgaggc aaatgcacaa gtaatagaaa gcaaagggca aggttcactg 60
aatcacagca gtcagaagaa agtgcttttag ggaaccaaga gattgtttcc agcctgaaga 120
ggcatgggtg gcaaatacaga aaaggggatt gagattaaaa tagaagactt cagtctggat 180
tgttgatgac actcagtatg gactatatat gtctctcctt ttcctttctc cccatctttg 240
ggcttaattt acatgtagtg cccaggactg ttcaatgcgc ctgcaattaa accaagg 297

```

```

<210> 746
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 360, 417, 438, 446, 470, 472, 501, 504
<223> n = A,T,C or G

```

```

<400> 746
aaagaactct gggctgtact gaatggctgg agacaacact ttatcagttt tgacactgac 60
aggagtggaa cagtgaaccc acaagaattg cagaaggccc tgacaacaat gggatttagg 120
ttgagtcctc aggcgtgtga ttcaattgca aaacgataca gcaccaatgg aaagatcacc 180
ttcgacgact acatcgcttg ctgcgtcaaa ctgagggctc ttacagacag ctttcgaaga 240
cgggatactg ctgagcaagg tgttgtgaat ttcccatatg atgatttcat tcaatgtgtc 300
atgagtgttt aaatcaagaa gaagctgcat gaatgtaatc aacattcaac tggagctctn 360
ctttgcttgt cctctttgcc ttcggttaata tgtataaact tacatcacga ctttctntta 420
acagaactcg gccgcganc ccttangggc aattcaacac cttgcggccn tntagtggat 480
ccactcggac caacttggcg naanatggga taat 514

```

```

<210> 747
<211> 249
<212> DNA
<213> Homo sapiens

```

```

<400> 747
atcaatgctt acaattgtga agagcccaca gaaaagttac cttttcccat catcgatgat 60
aggaatcggg agcttgccat cctgttgggc atgctggatc cagcagagaa ggatgaaaag 120
ggcatgcctg tgacagctcg tgtggtgttt gtttttggtc ctgataagaa gctgaagctg 180
tctatcctct acccagctac cactggcagg aactttgatg agattctcag ggtagtcatc 240
tctctccag 249

```

```

<210> 748

```

```
<220>  
<221> misc_feature  
<222> 364  
<223> n = A,T,C or G
```

```
<210> 749
<211> 384
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 370  
<223> n = A,T,C or G
```

```
<210> 750
<211> 502
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 298, 334, 376, 442, 488  
<223> n = A,T,C or G
```

```
<400> 750
ctgtaaaaga tccatgctga aagacactgg ctcttttttt taatccccc aataaatttt 60
gccccctttt aggccatggt ccattatctc ttaaaattgg aacctaatto gagaggaagt 120
aagaagggtc tgtttctgtg ctgagctagg tgaaccccg ggtaggggaa agatgttaac 180
acctttgacg tctttggagt tgacatggaa cagcaggtag ttgttatgta gagctagttc 240
tcaaagctgc cctgcctggt ttaggaggcg ttccacaaac agattgaggc tcttttanaa 300
ttgaatttac tcttcagtat ttctaatgt tcanctttct aagaagcata ttttttcaa 360
```

```
<210> 751
<211> 345
<212> DNA
<213> Homo sapiens
```

```
<210> 752
<211> 675
<212> DNA
<213> Homo sapiens
```

```
<210> 753
<211> 448
<212> DNA
<213> Homo sapiens
```

<400> 753

```
<210> 754
<211> 603
<212> DNA
<213> Homo sapiens
```

<400>	754						
ggcagggtcta	aagtgtgagt	aggaacattc	tcttattatg	ggtggaggaa	agagagagga	60	
gattgagaaa	ataagataaa	atacattgat	gcgcatcatt	tttggtgttc	gaaaagtagg	120	
attgaatttag	gactaataaa	tctagagaat	tttacctctt	tcaatgccca	agccacactt	180	
ttctatcact	ttgaaaccga	aaaagtaa	actttcccaa	catttgcttt	gctggttagga	240	
aatgctttaa	taaaaatgca	atctctaagt	tgccatggca	tcattaaaag	aaaggatgtc	300	
atgccccaggt	ccagaacttg	aagggtggcag	gcaccancaa	gcaccatagc	tctgaatggg	360	
cctgccttac	aggtcctcac	tccaacactg	ctcacttctt	ccagcttgaa	aatggagaac	420	
atgttcacac	cctgggttgt	aagtaggagg	aactctgac	agcaagaagc	ttgcanagga	480	
caatatgang	caatagtatt	ttactggacc	tcggccgcga	acaccttang	gcgaaatcna	540	
cccttggcg	gccgtntatg	gatccactcg	nccaacttgc	gaanatgggc	aaanttttcc	600	
ggg						603	

```
<210> 755
<211> 254
<212> DNA
<213> Homo sapiens
```

```
<400> 755
aaaaaactgg tttgtcaaat cacatacatg agcagataca caactaccaa agtggcctgt 60
aatagacacc agtggggcgg tcaccacaca gtacctgaaa aatacagcta aaaaaggagg 120
agtctgttga gtattttaatt tcagatctac ttgactcctt gttgaacggc tttaaagttag 180
catatagtga gtgagaggta gagtcccaag tataatatgt gatgcctcag ggctccattt 240
acctgccggg cggc                                     254
```

```
<210> 756
<211> 344
<212> DNA
<213> Homo sapiens
```

```
<400> 756
ctgattctat ttcccttctca aaaaaagtta ttacagagg gtatatatca acaatctgac 60
aggcagtga cttgacatga ttagctggca tgatttttct ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcattattgca caggatggat 180
gqcaaaaaaa agtttaaaaa caaaaaccct taacqqaact qccttaaaaa gqcaqacgtc 240
```

```
ctagtgcctg tcatgttata ttaaacatac atacacacaa tctttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt 344
```

```
<210> 757
<211> 191
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 5
<223> n = A,T,C or G
```

```
<400> 757
gtaanacctc ctgcccttag ctctcttctg caccacccaa gaacctcagg acagaagcga 60
gagccatttg ctctctctca gctcagcccg gctgcggagg aaccttggc aggcagaacc 120
tgaggtgtc agaggctcaa ctctccatc taaccagcag gctcccagag tccccggaag 180
agcctgcgca g 191
```

```
<210> 758
<211> 212
<212> DNA
<213> Homo sapiens
```

```
<400> 758
ctgcctttcc tgagtaccct cgcacggttg gaagaccagg ccactgcata tgtgtgtgag 60
aatcaagcct gctcagtgcc catcactgat cctgcgaat tacgaaaact actacatcca 120
tgactgcccc aaccccttg ggggtgggca gaaggtgaag catcccaact gactagagac 180
tcaggccctg cagggcccta tagaacctgt gg 212
```

```
<210> 759
<211> 450
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 16, 35, 47, 51, 89, 92, 102, 125, 156, 159, 163, 189, 202,
203, 224, 239, 242, 245, 321, 359, 361, 377, 410, 429
<223> n = A,T,C or G
```

```
<400> 759
aaaaaagtga cattgnttta ttactatttg caggnggggc ctgcatnagg nggttagtgt 60
gctcagggga tgggtgggct gtggaaatna tnacaaaag gntggaagga aagggggtgg 120
gtttnaaggc cagggccaag gggtcctcag gtccgntnt ggnaaggga agccttgagg 180
aaggagtctt ggcaagccat anntaggcca ccaatcaaat taanaaatc tgagaaatnt 240
anctnaccat cactgttggt gtccagtttc ttcacatgc ggcaaggaca ccagggtcct 300
tctggttctt tgtgaaggca nctagttctg tttcatgaac ttaggaactc tgcttgana 360
nagtgtaac tcggccnacc ccctaaggcg aatccacaca cttgcggccn tctatggatc 420
caactcggn ccaacttgca atatggcata 450
```

```
<210> 760
<211> 519
<212> DNA
```

<213> Homo sapiens

<220>

<221> misc_feature

<222> 246, 290, 322, 341, 409, 414, 416, 419, 427, 429, 451, 472, 484, 492, 495, 497, 507

<223> n = A,T,C or G

<400> 760

```

tttaactcct gaaatcgaac tacgtttaag tttgtatggt tattacctgt ttgagcactt 60
aggtgcaatt gtgggagcgg ggatgtcaag ttcatttatg tgactctttg gctcaactta 120
cataatcttt gttttgatat cacagttgtc taattatttt actttgtagc ttaaggcagg 180
ctgaattggt gataaaaatg gaaaaaagta gtatattggt atataagctt ctgagggtgtg 240
ttttgntgta taacctggag gttaaaaagc atcccttatg tatagtagtn aaggcataaa 300
ctgtgacttt aaatattcac anaaccagac ttatttgatg ngataatacc atgattagca 360
tttggttgct tttgtttatt tatccggtca ttttctcttc catgtcatna acangngng 420
ggggtanana taaacctgcc ggcgccctc naaaggcgaa ttccacacac tnggggcgta 480
ctanggatcc anctngncca acttgngnaa tatggcata 519

```

<210> 761

<211> 270

<212> DNA

<213> Homo sapiens

<400> 761

```

gaggaatgct ggactggagg cccctggagc cagatggcaa gagggtgaca gcttcctttc 60
ctgtgtgtac tctgtccagt tcctttagaa aaaatggatg cccagaggac tcccaacctt 120
ggcttggggg caagaaacag ccagcaagag ttaggggcct tagggcactg ggctgttggt 180
ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct aggcctctcc 240
agtttgcacc tgtccccacc ctccactcag 270

```

<210> 762

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 423, 431, 445, 465, 496, 499, 503, 516, 530, 537

<223> n = A,T,C or G

<400> 762

```

atgaagggcc cgggtgctgaa gggcagggaa caacttgatg gtgctaactt gaactgcttt 60
tcttttctcc tttttgcaca aagagtctca tgtctgatat ttagacatga tgagctttgt 120
gcaaaagggg agctggctac ttctcgctct gcttcacccc actattatth tggcacaaca 180
gggagctggt gaaggaggat gttcccatct tggtcagtc tatgaggata gagatgtctg 240
gaagccagaa ccattgcaaa tatgtgtctg tgactcagga tccgttctct gcgatgacat 300
aatatgtgac gatcaagaat tagactgcc caaccagaa attccatttg gaaaatgttg 360
tgcagtttgc ccacagcett caactgcttc tactcgccct tctaattggt aaaggacctc 420
gangcccaaa ngggaaaatc caggnccttc tggatttcct ggganaaaag ggggacctg 480
gtatttccag gacaancang ggncccttg gttttnctgg gccccctgg aatttgngaa 540
taatgcccta ctgggccttc aaaactatth ttcccca 577

```

<210> 763

<211> 261
 <212> DNA
 <213> Homo sapiens

<400> 763
 ctggagatgg tggatgaacgg tctgtttgca tttcttggaa gaagatcttt tattctgctg 60
 ctcaaccag gtctctgcct tccttagaga ctgaggccca tccttcagtt tccctgattc 120
 tggagaatgg ccgcagcct cccaactcagg gcttggtgtg gctcctctag tccatcccag 180
 ggctggaagg gacatccctg gcggtacacg aagggtgtcc agcagtgttt aaattcactg 240
 tatgtcatta ttgaaatttt g 261

<210> 764
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 764
 aaaaacaaaa tcacttaaag gaccctttga ctgatgcctc tcagtttata tttttatgtg 60
 actttatatt tcttttgata cacttgacat tttaggaaat tttgatgtga tttatcaaaa 120
 cctttacttg atggttagag ttctgtcatt tatgaaatca aatctgtaat aacagaaatc 180
 ctggaatact cttaatatat acttctattt tgtgtttgtt actgtgatta atatttgcag 240
 ttgtatattt tacattt 257

<210> 765
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 765
 ccagtgtgtc cagccgacct ttctgtggtg atggaaatct ttttctgtgc tgtccaatac 60
 agcagccacc gaccatttt gcttattgag cacctcaata tagaggtgg 109

<210> 766
 <211> 155
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5
 <223> n = A,T,C or G

<400> 766
 tgcanattat ttgccaaaag ttgtcctctt cttcagattc agcatttgtt ctttgccagt 60
 ctcatcttca tcttcttcca tggttccaca gaagctttgt ttcttgggca agcagaaaaa 120
 ttaaattgta cctattttgt atatgtgaga tgttt 155

<210> 767
 <211> 345
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 9, 10, 34, 44, 51, 208, 212, 214, 231, 244, 267, 269, 278,
282, 291, 303, 304, 309, 316, 319, 321, 332, 333

<223> n = A,T,C or G

<400> 767

```

aaaaacatnn actatacatt gaaatgtgtg aacnttttga aaanctacag nttccagcag 60
ccaaaagcaa ctggtgtttt ggcaagacgg tcttgatgta caagcttgat tgaaattcac 120
tgctcacttg atacgttatt cagaaaccca aggaatggct gtccacatcc tcatgtggct 180
gtgtggagct cagacctgcc cgggcgggnc gntntaaagg gcgaattcca ncacactggc 240
ggcncgatac tagtggatcc aactcncnc caactttncg tncccatgga natatttttt 300
ggnnggaant tttttncnc nccggggggc cnnttaaaag gggaa 345

```

<210> 768

<211> 213

<212> DNA

<213> Homo sapiens

<400> 768

```

aaaacaacta cttaacatnt actcatagat aaaaatattt acaattttac accttcagga 60
aggctccaaa atataaacac tgtacctctc cctagagaaa aaaaaattat tcttctcttc 120
aaaaacagga atacattcat tttttctcac tgtgtgaatc aagtaattat acaataaac 180
atctgaaaca ttttctttt taatatattt ata 213

```

<210> 769

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 460, 470, 479, 499, 512, 515, 519

<223> n = A,T,C or G

<400> 769

```

aaaatgaaaa attggtgcta ctattaaatt gcacagttga atcatttagg cgcctaaatt 60
gattitgcct cccaacacca ttttttttta aataaagcag gataacctta tatgtcagcc 120
ttgccttggt cagatgccag gagccggcag acctgtcacc cgcaggtggg gtgagtctcg 180
gagctgccag aggggctcac cgaaatcggg gttccatcac aagctatgtt taaaaagaaa 240
attggtgttt ggcaaacgga acagaacctt tgatgagagc gttcacaggg aactgtctg 300
ggggtgtagt gcaagcccc ggctcttcc tgggaacctc tgaactctc ctctctctgg 360
gctctctgta acatttcacc acacgtcagc atctaattcc aagacaaaca ttccccctgt 420
cgaacaaacc tgcccgggcg ggccgctcaa gggcgaattn cacacacttn gcggccgtnc 480
taggggatcc caactcggn acaagctttg gnggnaaana tgggg 525

```

<210> 770

<211> 233

<212> DNA

<213> Homo sapiens

<400> 770

```

aaaaatttac ttattacttg ttcttagcaa attaaagaaa ttacaataaa acatcagcta 60
actgggttct tgtgagaaaa ctgaggtcag cttggaaagg agttccccga gtggagtctc 120
cagcgcccg cggtgacgg ccagatctgt cctgaggggt cgtgggagcc cagcgctgc 180
cttgagggaa atgaacactg aaaacaggat ttgggagcag tattggattg aca 233

```

<210> 771
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 771
 tggcagtgca aatatccaag aagaggaagt ttgtcgctga tggcatcttc aaagctgaac 60
 tgaatgagtt tcttactcgg gagctggctg aagatggcta ctctggagtt gaggtgcgag 120
 ttacaccaac caggacagaa atcattatct tagccaccag aacacagaat gttcttggtg 180
 agaagggcgg gcggtattcg gaactgactg ctgtagttca gaagagggtt ggctttccag 240
 agggcagtgt agctttatgc tgaaaagggtg g 271

<210> 772
 <211> 533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 351, 374, 412, 461, 484, 487, 504, 524, 528
 <223> n = A,T,C or G

<400> 772
 ccatggaagc ctcagggcac agggcaggct ggtggatgtt ttggtcccaa gcccctttct 60
 gatcacaggc aggtcaatta agcctctggg cctggctgtc ctctcctgga cgtggagtg 120
 aagtcccaca ctacacaagg ctgtgcagct tcacagagat agtgcttggt atgtttatcc 180
 ctaacaagag gaccttgaac ttggagaatt ataggaagac taggtctgtg cccttaaatt 240
 gatcattctt tccatcctga ctaagcacgg gtgagccagt ttgtgcagag gtctgtgtgt 300
 agatgggacc atggaggaaa agagaagctt cccctttgcat ggtctcctta naacccattt 360
 tgtaccggac ccanaaggat gtatggacc aaagcacatc cctcttgga anggctggcc 420
 ccagtcttcc taatgcaacc tgcccggcgg ggccttcaaa nggcgaattt cacacattg 480
 cggncgntac taatgggatc ccantctcgt accaaacttg gcgnaaanat ggg 533

<210> 773
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 773
 ttctgaagtt gccatcagtt ttactaatct tctgtgaaat gcatagatat gcgcatgttc 60
 aactttttat tgtggtctta taattaaatg taaaattgaa aattcatttg ctgtttcaaa 120
 gtgtgatatc tttcacaata gcctttttat agtcagtaat tcagaataat caagttcata 180
 tggataaatg catttttatt tcctatttct ttagggagtg ctacaaatgt ttgtcactta 240
 aattttcaagt ttctgtttta atagttaact gactatagat tgttttctat gccatgtatg 300
 tgccacttct gagagttagta aatgactctt tgctacattt t 341

<210> 774
 <211> 193
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 151, 167, 168, 171, 178, 185

<223> n = A,T,C or G

<400> 774

```

aaaaatgttt tgtagggaaa ccctttaatg ctttcatttt tattcaaaat cagtccagct 60
gctagtcagc gggcagcagc tacaatacca agttctggca gttgcagtac tagatattgt 120
gcctgcaagt cataaaaaaa aaaaaaaaaa naaaaaaatt gaaaaanngc ntttcccntt 180
aaaanaaaaa aat 193

```

<210> 775

<211> 210

<212> DNA

<213> Homo sapiens

<400> 775

```

ctctagtgtc gtgaaaaaaaa aatgctgaac attgcatata acttatattg taagaaatac 60
tgtacaatga ctttatttgc tctgggtagc tgtaaggcat gaaggatgcc aagaagttta 120
aggaatatgg gagaaatagt gtggaaatta agaagaaact aggtctgata ttcaaattga 180
caaactgccg gttttgtttc ctttcactgg 210

```

<210> 776

<211> 161

<212> DNA

<213> Homo sapiens

<400> 776

```

ctgctcctgc tgctgctgca gccccagcta aggttgaagc caaggaagag tcggaggagt 60
cggacgagga tatgggattt ggtctctttg actaatcacc aaaaagcaac caacttagcc 120
agttttatct gcaaaacaag gaaataaagg ctacttctt t 161

```

<210> 777

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 362, 376, 414, 432, 435, 445, 447, 451

<223> n = A,T,C or G

<400> 777

```

tggagtctga agtagctata aagcagctat aaaacagaaa tacatgcata gctgcagaaa 60
ccatgacagg tagaggactt ttcttttggg tttgttttgt tttgttttgt tttgttttgt 120
gttttacaga gaagagattt ttattacaaa gaaaaaaatt ccagtgaatt gtgcagaaat 180
gctggttttt acaccatcct aaagaaaaac tttaacaagg tggttttgag tagaaaaaag 240
gttataaagt tggaatctta aattgtaaaa ttaaccattg agtgtaaaag ttctaaaagc 300
agaactcatt ttgtgcaatg aacataagga aagactactg tatagggttt ttttttttct 360
cnttttcttc ggccgnaacc accctaaggg cgaattccac acacttggcg ccctacttag 420
tggatccaac tngnccaac ttgngnaat natggcata 459

```

<210> 778

<211> 288

<212> DNA

<213> Homo sapiens

<400> 778
cagagagcca ttttgtgaat ggattggatt atttaataac attaccttac tgtggaggaa 60
ggattgtaaa aaaaaatgcc tttagagacag tttcttagct ttttaattgt tgtttctttc 120
tagtggctctt tgtaagagtg tagaagcatt ctttctttga taatgttaaa tttgtaagtt 180
tcaggtgaca tgtgaaacct tttttaagat ttttctcaaa gttttgaaaa gctattagcc 240
aggatcatgg tgtaataaaa cataacgttt ttcttttacc tgcccggg 288

<210> 779
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 406, 436, 447, 478, 488, 496
<223> n = A,T,C or G

<400> 779
aaatatctaa aacaatggcc cactgaagaa aggaacaatt aactctttta ttaattcctt 60
aggataaata ccagaaaatt taacagctag ggcagacttc taatacaata ccgaaagtcc 120
ttccaaaaac caagtgggtg ccaacttatg tcccttagca ttataacatt cttgagccaa 180
tagtgtaaaa atacgctgac aatttttatg gcaaacatta ctcaagggtat cttactttcc 240
acttattact aaagtaatta acccctaaat agatgctcct caacagtggg actacatcct 300
ggtaaaccta tcataagttg aaactatcaa gttgaaatgc atttagtacc ctgataaacc 360
tatcataaag ttgaaaattt gttaaattgaa ccagtgtaaa tcagangcca tcttacacct 420
cgccgcgcac cacctnaggg cgaattncag caccttggcg gccgtactag tggatccnac 480
tcgtaccnac ttgggnaatc atggcata 508

<210> 780
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 369, 411, 472, 473, 513, 515, 522, 537, 539, 545, 548, 550,
555, 558, 565
<223> n = A,T,C or G

<400> 780
aaagcactca cataaatcca tttcacccaa aaaggaaaca taaagtgcct ctagcagtag 60
aagcacggtt ggcatggcct ttccaaaggt cttccactag agtctagaga aatctaaata 120
tagtcatcca caaactggat gtttttattt tctgagccat tagagatttt caaaatcact 180
ttgattttta aaaactcatc aaatgtgaat catggcgggg aagaccactg agctgatttc 240
tgataactaa gttatcactg aacataatth atcatatatg gctactggca tcatgaagac 300
cttgggtag ggaagactct tcatgagaaa tataaacatc acttgtgtag gaatcaccag 360
gtgtcctana gcagtttgac taaagacttc tagtgtttac tctctccacg nactcaacc 420
aagaccagag acaatggcaa ctcttgaggt tacacagaac cagtgagtat gnnagctcac 480
ttagccatta atctaaatgt ataactgggt ctntntgcct anctatatct aaggttntnt 540
ctgtntntn aactncgngc gcagnatcc 569

<210> 781
<211> 391

<212> DNA
<213> Homo sapiens

<400> 781
gggctgaaga aatcactatt gtgtatatac tcaagtcttt ttatttttcc tcttttcata 60
aatgctcttg gacattattg ggcttgacaga gtcccttat tctggggatt acaatgcttt 120
tatacgtttca ggcttcattt tagcttcaaa acaagctggg cacactgtta aatcatgatt 180
ttgcagaacc tttggttttg gacagtttca tttttttgga tttgggatag attacatagg 240
agtatggagt atgctgtaaa taaaaatata agctagtgtt ttgtcttagt agttttaaga 300
aattaaagca aacaaattta agttttcttg tattgaaaat aacctatgat tgtatgtttt 360
gcattcctag aagtaggtta actgtgtttt t 391

<210> 782
<211> 195
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 9, 12, 19, 35, 36, 40, 47, 146, 176, 179, 184, 186, 189
<223> n = A,T,C or G

<400> 782
gggaattgnc tnaatcttnt acggcgcttg tatgnnttgn gaattcncct ttcgtggcgc 60
ggccaggcta accactcaat ccatttgtgc ttttgttttt tttatgggtgc ttaaagtaaa 120
aaacccatcc ttttgcaagg cattcnttgt tggtaacctta ggcattttta ttttginctna 180
aaantntgna aaaaa 195

<210> 783
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 174, 274, 282, 283, 295, 296, 305, 311, 312, 329, 333
<223> n = A,T,C or G

<400> 783
ccacagggtc cactgaaacg gggaggggat ggcagcttgt aatgtgggct tttgccacaa 60
cccccttctg acagggaagg ccttagattg agggcccacc tcccatgggtg atggggagct 120
cagaatgggg tccagggaga atttggttag ggggaggtgc tagggaggcc tgancagagg 180
gcaccctccg agtggggtcc cgagggtctgc aaagtcttca gtacttgtcc ctcacagcaa 240
acctgcccgg cgcccgcca agggcgaatt ccanacactt gnnggcccgtt actannggat 300
ccaanctcgg nnccaacttg gcgtaatcnt ggnata 336

<210> 784
<211> 166
<212> DNA
<213> Homo sapiens

<400> 784
attgatgacc acagagctgg gaaaattgtt gtgaacctca caggcaggct aaacaagtgt 60
ggggtgatca gcccagatt tgacgtgcaa ctcaaagacc tggaaaaatg gcagaataat 120

ctgcttccat cccgccagtt tggtttcatt gtactgacaa cctcag 166

<210> 785
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 785
 tttggcatga ttcttagtca tacttgaact tgtctcattc cacctcttct cagagcaact 60
 ctcccttttg gaaaagagtt cttcagatca tagaccaaaa aagtcatacc ttcgaggtgg 120
 tagcagtaga ttccaggagg agaagggtac ttgctaggta tcctgggtca gtggcggtgc 180
 aaactggttt cctcag 196

<210> 786
 <211> 148
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 49, 74, 75, 107, 108, 117, 128, 140
 <223> n = A,T,C or G

<400> 786
 gccttaacct ggcttggatg cctaccaggc cccaccaaca cctaactgnt ggatattata 60
 atggcatggt ggtnttctgg aaccttccca ctaactcacc cctgcanngg atacggntct 120
 ctgatggntc cttaaagctn taccctt 148

<210> 787
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 787
 aaacagacct gtagtgactg aggtgtggtt taggacttca aggttggatg gccaggcgg 60
 gaaacagagt ggagagctca gtaggccgtc tgagactget gctggcggtg gccaccgcg 120
 cgcattgtac cctcgttttt gcggtagccg tccttctggt ctgcacctgc ccggggggcc 179

<210> 788
 <211> 570
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 330, 352, 389, 450, 454, 461, 474, 482, 487, 491, 524, 537,
 557, 567
 <223> n = A,T,C or G

<400> 788
 ccagcttctg gctgtgtttt cacatgccat atgacatcat ttaaccttaa ttactttctt 60
 actccaaatt caatcacact aggagttagg gtttcaacat acgaattcgt gggggacaca 120
 attcagtcca cagcatcctg taatgttcta tgacgtgaagc aagaagtcag atgtgtttgc 180
 cttctactcc tgcattctct gagaaggaat cccagtccca gactcttgaa ctctaatttc 240

```

actgaataga agcaattaac taggctctga ggcagaggaa gaaagaggac ctgggatgaa 300
gactgaaagg tctactgatgg ctgggggagan ggaagaaagt ctgaaaggag angctcaggc 360
aaggcagatc aattcggata ggcacttana gaaaaatctt gcccctgccc aagaactgat 420
gcatactaacc taaaacctct tttccagtan aagntgtctg nccatctttc accnctaata 480
gnaaacnagg nagatgcctt ttcctgcccg gcggcgtaa agngaatcc acccccncgc 540
gtctagggat cactcgncac tgggganattg 570

```

```

<210> 789
<211> 154
<212> DNA
<213> Homo sapiens

```

```

<400> 789
cgggtggctc aggagcttga caagcccact gtggagtggg gagcaggaga ggaaggggta 60
ctgggttagtc tcctaggggc tgagtggagt attgttgccc tgctatatc ccctaaagg 120
ggagggtaga gcggagggtt agcagtcacc ttcc 154

```

```

<210> 790
<211> 129
<212> DNA
<213> Homo sapiens

```

```

<400> 790
ctgccaagga gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
ttcccacctt tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacg 129

```

```

<210> 791
<211> 177
<212> DNA
<213> Homo sapiens

```

```

<400> 791
ctgcttaagc tggcccacaa gtacagacca gagacaaagc aagagaagaa gcagagactg 60
ttggcccggg ccgagaagaa ggctgctggc aaaggggacg tcccaacgaa gagaccacct 120
gtccttcgag caggagttaa caccgtcacc accttggtgg agaacaagaa agctcag 177

```

```

<210> 792
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<400> 792
ccagtttggg gtcggtttct attccgcctt cctttagtaga gataagggtta ttgtcacttc 60
aaaacacaa aacgataccc agcacatctg ggagtctgac tccaatgaat tttctgtaat 120
tgctgaccca agaggaaaca ctctaggacg gggaacgaca attacccttg tcttaaaaga 180
agaagcatct gattacctcg aattggatac aattaaaaat ctcgtcaaaa aatattcaca 240
gttcataaac tttcctatct atgtatggag cagcaagact gaaactgttg aggagcccat 300
ggaggaagaa gaagcagcca aagaagagaa agaagaatct gatgatgaag ctgcagtaga 360
gaaaaa 366

```

```

<210> 793
<211> 289
<212> DNA

```

<213> Homo sapiens

<400> 793

```
ctgttgcagc atccagttca tcttaagaat gtcaacgatt agtcatgcaa taaatgttct 60
ggtttttaaag aaattacata aaaggcctta gtagtcttag aaatgttttg gaggctttta 120
gtgaaatgtc atttcaggcc tagtgggtccg aatctgccct cctgcgggtcc atgcgatgcc 180
ctgctgaggt ctgtgaacac agtcatgag aaaccacgga aatggcccga atgtgcttac 240
gtgtgaaaat actgatactg tgattcaaca gagctgtttt tcaagccag 289
```

<210> 794

<211> 311

<212> DNA

<213> Homo sapiens

<400> 794

```
caaggccatt tttgctggct ataagcgggg tctccggaac caaagggagc acacagctct 60
tcttaaaatt gaagggtgtt acgcccgaga tgaacacagaa ttctatttgg gcaagagatg 120
cgcttatgta tataaagcaa agaacaacac agtcaactct ggcggaacac caaacaacac 180
cagagtcatt tggggaaaag taactcgggc ccatggaaac agtggcatgg ttctgtgcaa 240
attccgaagc aatcttcttg ctaaggccat tggacacaga atccgagtga tgctgtacct 300
ctcaaggatt t 311
```

<210> 795

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 358, 368, 396, 408, 409, 443, 461, 468, 481, 521, 540, 541, 542

<223> n = A,T,C or G

<400> 795

```
ctgaaaaatg acaggctagg gacatagaat attgtgaact ttatactggt agaatcactg 60
tccattaaat gatcactagc taatgggtcac taaatttaca aattaaggaa attatatata 120
gaatactgca aaaacacagt aaaaagactg aagttcgccc atttctgctc aggaagtctc 180
ttcactccta agcttcatat gttgtccttc tggcttcaaa atttctgcta ttattactgt 240
ttttctctct tttgatcttc cttttgttcc ccagtgccag aacttccaga gccttctcgc 300
tcagatgcca tctttttgta tgccatttgc agcagcttca gtgatgcctg ctgaaaanaa 360
gatgctgnct gtctaataat ttctccggtt cgctgncttt tctagccnng aagctccctc 420
attttggaat tctcttcttt tanctgggtgc actcatcaca ngggaatngg ccctggaatc 480
ntccatcttg ggtctggggc gaacctgccc ggcgggcgctc naaggggaat tccccccctn 540
nngccgtcct a 551
```

<210> 796

<211> 204

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 176, 183, 184, 199

<223> n = A,T,C or G


```

<400> 796
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagagggc 60
aggtggagag aggggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttaaa tagcaccttt agaaaaattc acaagtcccc atccacaaaa aaaaanaaaa 180
acnnaaactt ttcggggant aaaa                                     204

```

```

<210> 797
<211> 142
<212> DNA
<213> Homo sapiens

```

```

<400> 797
aggtaaagtg aatgtgatgt tggagagagt gggaaaggaaa agtaatggca agtatgcttg 60
ctcattacca ggcactgtgc taagctctgt gaatacacag ataagtaaaa tccacgctgt 120
ttctcaaaga actcacaatc tg                                     142

```

```

<210> 798
<211> 455
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 392, 430, 436, 439, 443
<223> n = A,T,C or G

```

```

<400> 798
ctggcaggac ctgaaggatc acatgcgaga agctggggat gtctgttatg ctgatgtgca 60
gaaggatgga gtggggatgg tcgagtatct cagaaaagaa gacatggaat atgccctgca 120
taaactggat gacaccaaatt tccgctctca tgagggtgaa acttcctaca tccgagttta 180
tcttgagaga agcaccagct atggctactc acggctctcg tctgggtcaa ggggcogtga 240
ctctccatac caaagcaggg gttccccaca ctactctct cctttcaggc cctactgaga 300
caggtgatgg gaattttttc tttattttt aggttaactg agctgctttg tgctcagaat 360
ctacattcca gattgaggat ttaatgtctt angaaatttt ttttaatttt tttttttacc 420
ctgccccggn cggccntcna aanggggaaa ttccc                                     455

```

```

<210> 799
<211> 433
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 400, 414, 424
<223> n = A,T,C or G

```

```

<400> 799
ctgaagcaag ggtgctgggg ccccatggcc ttcagccctg gctgagcaac tgggctgtag 60
ggcagggcca cttcctgagg tcaggctctg gtaggtgcct gcatctgtct gccttctggc 120
tgacaatcct ggaaatctgt tctccagaat ccaggccaaa aagttcacag tcaaatgggg 180
aggggtatct ttcattgcagg agaccccagg ccttgagggc tgcaacatac ctcaatcctg 240
tcccaggcgg gatcctcctg aagccctttt cgcagcactg ctatcctcca aagccattgt 300
aaatgtgtgt acagtgtgta taaaccttct tcttcttttt ttttttttac ctcccggccc 360

```

```
<210> 800
<211> 506
<212> DNA
<213> Homo sapiens
```

<400> 800						
ctggctttgc	agtcatgcat	aaaggtgagg	acacttaatt	caaggcatct	gggggctggt	60
gtcaccgcac	atgaagagta	gtgcccatgc	tgtcccacga	gcttccttgg	gaaaagggaa	120
aaacaaatct	tttcctcaaa	tagaattgtc	gcaggaaaga	gccatgacat	tttattcact	180
gtttaatcat	cgggtggcag	gatttctttg	aagtagaatc	tggtagtacc	cctcccaatc	240
tttgctggat	cacttctaaa	tggatgaatat	actctgtcaa	ggaatgttct	ggatcttgag	300
aagcagtcat	ggatctttct	aatcttgaat	ttggggatgg	agtggctctt	ccccctgtg	360
tggggaggct	gcttgetgcc	atctgccggc	ctctggcagg	gtccctgggtg	tggacctgcc	420
cggcnggcc	ctcgaaangg	cgaaatncac	acacttngcg	gccgtctant	ggatccaact	480
cggaccacc	tggcgnaact	qqcata				506

```
<210> 801
<211> 181
<212> DNA
<213> Homo sapiens
```

```
<400> 801
cggcaagtcc ctgtactatt atatccagca agacactaag ggcgactacc agaaagcgct 60
gctgtacctg tgtggtggag atgactgaag cccgacacgg cctgagcgtc cagaaatggg 120
gctcaccatg cttccagcta acaggtctag aaaaccagct tgcgaataac agtcccogtg 180
g
181
```

```
<210> 802
<211> 109
<212> DNA
<213> Homo sapiens
```

```
<400> 802
ctgcaggcta ttacctgaaa aagacaaggc agttatatta ggttctcgtg taaatatgaa 60
tatacaatca agtcaagctc ctgacaaatt atacatcaag gatgtatat 109
```

```
<210> 803
<211> 384
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 362  
<223> n = A,T,C or G
```

```

<400> 803
ccaggctggt gtcgaactcc tgggctcaag ccattgcccc cctcaaagtg ctgggattac 60
aagtgtgagc caccacaccc aaccagggtta tttgaacatt ttttaagtact gtattttctc 120
tattgtaata ttgactgtca tctctgtgca gggttttttag tggttgctct aggttgaaac 180
cctttgaatt cttaggtatc taagagtgag cattttcttt ttttgactgc tatactctca 240
ccagttgccca gcttctcata taaatattgt aaatgctctc gtttaggtaa ctcagcttct 300
ggagttgagg gaacttcaaa atcagaagag ctctgggaat ctgcatttgt gctaagattt 360
ancaaacttt acctgccggg cggg                                     384

```

```

<210> 804
<211> 267
<212> DNA
<213> Homo sapiens

```

```

<400> 804
agagctgacc gctgaggacc tgacgcagat gggaatcaca ctgcccgggc accagaagcg 60
cattctttgc agtattcagg gattcaagga ctgatccctc ctctcacccc atgcccaatc 120
agggtgcaag gagcaaggac ggggcccaag tcgctcatgg tcactccctg cgcccccttc 180
cacaacctgc cagactaggc tatcgggtgt gcttctgccc actttcagga gaacctgtct 240
ctgcacccca gaaaacctct ttgtttt                                     267

```

```

<210> 805
<211> 251
<212> DNA
<213> Homo sapiens

```

```

<400> 805
aaaatcccca tgctgtggc tgcgcttctt atttctaggg ctgggaagca ctcccttgc 60
caaggggtca cttacagaac aaagaatctt ttgggggaaa ctccctctaa aacctctca 120
tatatagaca gctttgactg gaggttccat tttcttcca ggatgggtgt actgcagttg 180
aaagggcaat atgaagttac tttcttaatg tgacctagca ataggcatag ctacgtggca 240
ctatattctg g                                     251

```

```

<210> 806
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<400> 806
gcctttttat ccaaccctaa gattacttca caaatatcct tttatcctgc cacaccagca 60
ggttgataaa ggagccatca aatttgtact cagtggagca aatatcatgt gtccaggctt 120
aacttctcct ggagctaagc tttaccctgc tgcagtagat accattgttg ctatcatggc 180
agaaggaaaa cagcatgctc tatgtgttgg agtcatgaag atgtctgcag aagacattga 240
gaaagtcaac aaaggaattg gcattgaaaa tatccattat tt                                     282

```

```

<210> 807
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 409, 430, 441, 453, 457, 479
<223> n = A,T,C or G

```

```

<400> 807
ccactcactc tcggacgtag accctggtgc acacaacgtc atccgccgtc atggtcagga 60
tcagttcccc atcgttgggc agttctctgg tcacagaggt cttggggccc tctcccttca 120
ggagcttctg ctcacagacc attttattct cactctccca tttcaccagg ctcttacagg 180
gcctcccatc cacagtctgc tcctcaaact cctccccaac cttgaagtta atctctgtgg 240
tgcgcacggt ggtggaggtt ttgatgtaga aagtgtctcc ctctgtttg atctccactg 300
ctggcttgga cgctgcagcc acagcaatct tcctcagcat cacattcacc cccagcactt 360
tgagcaattc tcgaagtttt ccgacgggat gatcttccag ttgccagana aattgggcat 420
ggtggcggcn cggaagcgg nccccgtaga ctctctangct ggagcacttg gacactgtnt 480
ttaaatt
487

```

```

<210> 808
<211> 269
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 32
<223> n = A,T,C or G

```

```

<400> 808
catctacaac cctgaagtgc ttgatatcac anaggaaact ctgcattctc gcttctctgga 60
gggtgtccgc aatgttgcca gtgtctgtct gcagattggc taccacaactg ttgcatcagt 120
acccattctt atcatcaacg ggtacaaacg agtcctggcc ttgtctgtgg agacggatta 180
caccttccca cttgctgaaa aggtcaaggc cttcttggtt gatccatctg cctttgtggc 240
tgctgcccct gtggctgctg ccaccacag
269

```

```

<210> 809
<211> 219
<212> DNA
<213> Homo sapiens

```

```

<400> 809
aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
gcttcacaat cttttgctta ggtgctgect ttgtaggtgc cttagcagca gccattgcag 120
tctttttaga tgcttgctta gtcttttttg cttccttagc agccctgata gcttggttctc 180
gttgagcctt tctaacttca ggtttctgat tcctcttg
219

```

```

<210> 810
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 315, 317, 336, 355
<223> n = A,T,C or G

```

```

<400> 810
ctgacacagt cagaactcag cagctaccat agaaaagaga agcagctcta cctgggcatg 60
tttggttaac aaagaagaaa gatgctcttc cagttgaact taggtggacc attaaacatg 120
catgaaggag aaatctgagc ctcagcaaga gaaattaacc ctatacctct gaccacaggtg 180

```

```
<210> 811
<211> 225
<212> DNA
<213> Homo sapiens
```

```
<400> 811
ctgaaacagc atcaagtttt caaagaatta agagcctcng ggagggggacc cgctttcaag 60
atactgaagc tgacatcaag agtctcctcc taacaggacc aactctatct aaaagttgct 120
tacgagtaac tngaattcttg tghtaatagcc tacatctcac agaccatcag ggatgagnna 180
gaacactgtc attgatganc cgggatgaag agagggtnaa caaaa 225
```

<400>	812						
ggaaaaatgtc	aaccttttcta	agaaaaccaa	aataaaaaatt	gaaaaataaa	aaccataaac	60	
atttgcacca	cttgtggtt	ttgaatatct	tccacagagg	gaagttttaa	acccaaactt	120	
ccaaaggttt	aaactacctc	aaaacacttt	cccatgagtg	tgatccacat	tgttaggtgc	180	
tgacctagac	agagatgaac	tgaggtctct	gttttgtttc	gttcataata	caaaggtgct	240	
aattaatatg	atttcagata	cttgaagaat	gttgatggtg	ctagaagaat	ttgagaagaa	300	
atactctgt	attgaattgt	atcgtgtggg	tgtatttttt			340	

```
<400> 813
at tt t t g t a a c   t g t a a a g a t g   a a t g t c a g t t   g t t a t t t t a t t   g a a a t g a t t t   c a c a g t g t g t   60
g g t c a a c a t t   t c t c a t g t t g   a a g c t t t t a a g   a a c t a a a a t g   t t c t a a a t a t   c c c t t g g a c a   120
t t t t a t g t c t   t t c t t g t a a g   g c a t a c t g c c   t t g t t t a a t g   t t a a t t a t g c   a g t g t t t c c c   180
t c t g t g t a g   a g c a g a g a g g   t t t c g a t a t t   t a t t g a t g t t   t t c a c a a a g a   a c a g g a a a a t   240
a a a a t a t t t t                                     249
```

```
<220>
<221> misc_feature
<222> 519, 528, 531, 564, 587, 590, 607
```

<223> n = A,T,C or G

<400> 814

```
ccagaagcag gtattcaaag cagagaacaa tccctgggtg acccccattg cagaccagtt 60
ccagcttggc gtgtcccatg tttttgagta tatccgttct gagacatata aatacctcta 120
cggcagacac atgcaggcca acccagaacc accgaagaag aataatgaca aatcgaaaaa 180
gatcagccgg aaacccctgg cagccaagaa cagataagga agggattggc atcggctggc 240
cttccagcac cttctctctc caacacttca ttctctcttg ccctgtctct caaataaacc 300
caatgctgcg tgtgaggcct tttttatatt tcttttcaact ctctttctaa tgctttccac 360
cttacctttt agattctttt gctaggtggg agattgttat aaggctctta aaccatttcc 420
atltgttctt taacattacc aaaagcaggg gaacaaaagc tcttattcaa ctgcgaaatt 480
ccataatggg ctctggcttt cttgaataaa aatcacaang gtgctttntt nttaaaagaa 540
taattaaaat ctgtaaccct tttncctgcc cggggggccc ctttaanggn gaaattcagc 600
acccttnggg gcggtt                                     615
```

<210> 815

<211> 309

<212> DNA

<213> Homo sapiens

<400> 815

```
ccactacgat aagcaggtag ctgggttttg tagtgagctt gctccttaag ttacaggaac 60
tctccttata atagacactt cattttctta gtccatccct catgaaaaat gactgaccac 120
tgctgggcag caggagggat gatgaccaac taattcccaa accccagtct cattgggtacc 180
agccttgggg aaccacctac acttgagcca caattgggtt tgaagtgcac ttacaagggt 240
tgtctatttt cagttcttta cttttttacat gctgacacat acatacactg cctaaataga 300
tctctttca                                     309
```

<210> 816

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 257

<223> n = A,T,C or G

<400> 816

```
ccctcctcgg cttccttcct ctctgcaatg accttcaaca accggccacc agatgtcagc 60
cctactcacc tgagcgctca gcttcaagaa attactggaa ggcttccact aggggtccacc 120
aggagttctc ccaccacctc accagtttcc aggtggtaag caccaggacg ccctcgaggt 180
tgctctggga tccccccaca gccctgggtc agtctgccct tgtaactggt ctgaggtcat 240
taaaattaca ttgaggntcc gaaaaaaaaa acctgcccgg cggc                                     284
```

<210> 817

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 391, 401, 407, 412, 423, 457, 462, 477, 482, 492, 497, 498, 507

<223> n = A,T,C or G

<400> 817

```
ccaatcaata agggactttc ctctctgcca ttaagagcaa cgatgctgac cacatactct 60
gtgcctggag tgagggttgg gaggtgatg gaattccgag agtggggcac ccgatcttct 120
cgaggtctcc cactgaagtg ctcgggatga tggcggatcc tgtagccagt gatggtggct 180
cgaggagcaa tccagtgcac agtaaaagag ttggcagtaa tatcagaaaa gtcaatgcc 240
gttggggaat caagacctgt ttttcccacc cgggggagga agagaaaaaa aaaagaaaag 300
acccccccag ttttaggaagt gaggaagggt taggggaaat taacgtacat ccaacatttc 360
gttccttgtc tcatcaatcc atgatttgcc ntaaaccaaa nagtaanaag tncgtattct 420
aanctacata tgaattttac ctccggccgc gaccccnctt angggcgaat tccaccnccc 480
tngcggcccg tncctanng atcccanctc gg 512
```

<210> 818

<211> 214

<212> DNA

<213> Homo sapiens

<400> 818

```
ctgagattca agtgctgac ctggaagccg atctccagga gctatgtcag acaaagactg 60
gggatggatg tgaagggtgg actgatgtca aggggaagat tctacaaaaa gcagagcact 120
ttaaaatgcc agaagcaggt gaagggaat cacagggtta aaggaagata agctgaaaca 180
acacaaactg tttttatatt agatatttta cttt 214
```

<210> 819

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 130, 326, 344, 382, 396, 432, 450, 457, 464, 465, 491, 499, 503, 509, 515

<223> n = A,T,C or G

<400> 819

```
aaaacccaaa cttccaaagg tttaaactac ctcaaaacac tttcccatga gtgtgatcca 60
cattgttagg tgctgaccta gacagagatg aactgaggtc cttgttttgt tttgttcata 120
atacaaaggn gctaattaat agtatttcag atacttgaag aatgttgatg gtgctagaag 180
aatttgagaa gaaatactcc tgtattgagt tgtatcgtgt ggtgtatttt ttaaaaaatt 240
tgatttagca ttcataatatt ccactctatt cccaattaaa agtatgcaga ttatttgccc 300
aaagttgtcc tcttcttcag attcancatt tgttctttgc cagnctcatt ttcattctct 360
tcatgggtca cagaaacttt gnttcctggg caagcngaaa aataaattgt cctattttta 420
ttttgagaag gntacctcgg gccgcgccn ctaaggngaa ttcnnccact gggggcgctc 480
taggggatcc nactccggnc cancttgng gaatntgg 518
```

<210> 820

<211> 375

<212> DNA

<213> Homo sapiens

<400> 820

```
ctccaggcgc cctcgccgc ccatcatggt taattctgtc caacaaacac acacgggtag 60
attgctggcc tgttgtaggt ggtagggaca cagatgaccg acctggtcac toctcctgcc 120
```

```
<210> 821
<211> 143
<212> DNA
<213> Homo sapiens
```

```
<210> 822
<211> 182
<212> DNA
<213> Homo sapiens
```

```
<210> 823
<211> 300
<212> DNA
<213> Homo sapiens
```

<400> 823						
ccacccccgga	gatgacacga	ggctcacatg	actctagaca	cttggtggaa	agtgaggcga	60
gaaaaacaat	gacttgggcc	aattacacga	ctgcaaagct	agagctgcca	acagggctcc	120
agggagcttg	gcttctgtag	aagttctaag	gaagcggtag	gaactccacg	gcgngggggc	180
gctaactagc	agggacccct	gcaagtgttg	gtcgggggcc	tcgagctgcc	tgagctgaca	240
cgaggggagg	ggtctgtgta	gcacctgccg	ggcggcgctn	gaaagggnc	attcaccact	300

```
<220>
<221> misc_feature
<222> 370, 422, 511, 530, 541, 551, 554, 557, 565, 566, 576, 581,
588, 603, 604, 610
```


<400> 824

<210> 825

<211> 501

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 356, 411, 452, 459, 469, 481, 490

<223> n = A, T, C or G

<400> 825

aaatggtatc	tcttagtaac	ttgcactcgt	taaagaaaaca	cggagctggg	ccatcgtcag	60
aactaagtca	gggaaggaga	tggatgagaa	ggccagaatc	attcctagta	catttgctaa	120
cactttattg	agaaattgac	catgaattaa	tggactcatc	ttaattttctt	ctaagtccat	180
atatagatag	atatctatct	gtacagattt	ctatttatcc	atagatagggt	atctatacat	240
acacatctca	agtgcattct	ttcccaactct	cattaatcca	tcatgttcct	aaatttttgt	300
aatcttactg	taaaaaaaaag	tgcaactgaac	ttcaaaaacaa	aacaaaaaac	aacacnacaa	360
aaacaagtcc	aactgatata	tcctatatct	gttaaaaattc	aaaagtgaac	naagctttta	420
ctggcctcgg	ccgcaccccc	taaggcaatt	cnaccctcng	ggcgtctant	gatccactcg	480
naccactggn	gatatgctac	t				501

<210> 826

<211> 679

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 493, 514, 526, 573, 579, 590, 600, 610, 612, 626, 631, 641,
643, 648, 657, 661, 667, 669

<223> n = A, T, C or G

<400> 826

aaaatttttag	aagttaagac	ttaacgaccac	ctcagtatat	gccattccta	atagaaggag	60
gtatgacggt	ttcaaactcg	tgcagagctg	catttttcatt	tacaagtctc	tgtaggcact	120
ttagaagtga	agcttggtt	caaaaatacaa	acactgggg	ctttggctca	accttttaat	180
ataaaaaaat	tactctgatg	acaaaaattt	gaaagtgctg	caatgacaat	tatgaaatcc	240
tgtgatgaa	agtccctctg	agtgcactct	gtggtgcaca	tgcgccgcc	cacacaaact	300
ctggcatgga	aacataaact	aatgcaaac	agtctaccc	agaagacca	acacgttgt	360

```

tctccattcc accaatcaca gaccagtatc tactccaaac atccagtaac gaaaactatg 420
gcatcttccc aggaacagca aggcaggctt cttactcacg atgaaccagc acgaataaac 480
cccccaaaaa ganaactgct acttaaatta gganagtcac tctgangatc ggcccaattc 540
ccatttagga acaaattttt ctgaatttca aantcgggna ctttagaaan ttttttcttn 600
tttctaaaaan anacctcggc gggacnctt nggggaatcc ncnctgngg cgtctanggt 660
ncaattngnc cccctgggg 679

```

```

<210> 827
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 16, 381, 407, 423, 434
<223> n = A,T,C or G

```

```

<400> 827
ctgattaatc attgtngatg actgcagttt ttcccatcct tcccgattta catctgttca 60
ggccaattca aatatgggtga gtaaataaat tagacatgca aattcaagcc ccaggctaga 120
aagagggaga gagaggaaaa gagagagaaa gagagagagc gcgcgcatgg ctgaaatcct 180
aggcgagaag aaagattctt ctgcctgata gttattttta tgctctaaaa atcctgcaaa 240
tcagaccttc ctgtcccttg caggataact gtaaggcttt ttaatgtaag gaggtctctg 300
gaggaagtga agagctatgg aaacaacaca catagtgtgg aaaaatttca catttttttt 360
acctcggccg cgaccacgct nagggcgaat tccagccact tggcggncgt tctagtggat 420
ccnactcgga ccncttggc gtaatcatgg cta 453

```

```

<210> 828
<211> 562
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 364, 408, 409, 439, 444, 472, 495, 512, 514, 530, 551
<223> n = A,T,C or G

```

```

<400> 828
ccaggatctt tggagccccg ccaccctcag agagcatgga gggaccttcc cttgtcaggg 60
actcctgagg gcctgggtgg ccccttccat ttcttgccc tgctctgctt cctgtctacc 120
tcatactaga atgatcgtga ctaccgggc agacatttta ctgtgtttct cagaccaagt 180
gtctactgat ggcccaaaaca tggagtgttg tgggcttcca ctgtcccccac tccgaactcc 240
tgtatgtgcc tggctgagtc acctaatcca tactgtcata ctagcataat tatgactatt 300
gcatatgctt gttttgtttg actcttggct gctacgtctt gtaggggccc tgaaaatcca 360
cttntgccc cagaaagggc tttatttcca ctaggaggat atgcctanno aggcattctt 420
ctctgttaca atcacaggng agnggatta acatcttttt attaaaaaca tnattaatgg 480
gggactgggt ggganaaact ttctaataatg tntnaaaaaa aaattttttn gctttactgc 540
cggcggcctc naagggaat cc 562

```

```

<210> 829
<211> 263
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> 21, 91
 <223> n = A,T,C or G

<400> 829
 ccttggttac acaactccag naaccgggcc ccaaattccac tatctgtgca atgcagcaca 60
 tgcgcacaaat gctattaaac tgctcttga naaattccag gtttgtccgg atgatgtcca 120
 cacctggctg aacctgcacc aaggaaaaac tctcccgcac ataactttct agccccgtga 180
 tcaatgtgtg ggttgccatc cggatgttac tgggtgtggg ctcttgacca cccaggtagt 240
 gcttggtgga agaaggatcg caa 263

<210> 830
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 181, 184, 191, 222, 237, 246, 250, 268, 270, 296
 <223> n = A,T,C or G

<400> 830
 gaagctgatg ggggtcaaattg aaggtgaatt caaggctgaa ggaaatagca aattcaccta 60
 cacagttctg gaggatggtt gcacgaaaca cactggggaa tggagcaaaa cagtctttga 120
 atatcgaaca cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg 180
 nggnctgat naaaaattgg gtggcccttg gcctctgttt gntttttata aaccaanctc 240
 tatctnaaan cccaacaaaa aaaattcnen ccatatgggc ccctcttgta ataatnttga 300
 c 301

<210> 831
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 262, 270, 309, 349, 362, 372, 425
 <223> n = A,T,C or G

<400> 831
 aaataggtag aaactttatt tcctaaatcc ctccctggac ctctttcaga aggcagttca 60
 aatgcactgt aggtagaagg cagaggaagc ccttatttag caatgcagaa cttggcagag 120
 gcccacatc tgtcattctt cacagcagtc ccttccaca tgctagaggg aagggggaagc 180
 atgataggga ggtccacttt tgtggactca aaccttgatg gggatgttga gcagtcacaa 240
 cgcttctcag aaaaggcaca ancacccan acattcagcc cggaaaacaa gctggctcac 300
 aggttccna tcgggtgttc aaccttcttc ggaacaaggc ccagactgnc cggcggccgt 360
 cnaaggcgaa tncaccactg gcgcctcta tggatccact cgtccaactt gcgaatatgg 420
 catanttttc 430

<210> 832
 <211> 373
 <212> DNA
 <213> Homo sapiens

```

<400> 832
caacagtcgc tccctggacc tggacggcat catcgctgag gccaaagcgc agtatgagga 60
gatggccaaa tgcagccggg ctgaggctga agcctggtac cagaccaagt ttgagaccct 120
ccaggcccag gctgggaagc atggggacga cctccggaat acccggaatg agatttcaga 180
gatgaaccgg gccatccaga ggctgcaggc tgagatcgaa aacatcaaga accagcgtgc 240
caagttggag gccgccattg ccgaggctga ggagcgtggg gagctggcgc tcaaggatgc 300
tcgtgccaaag caggaggagc tggaagcccg ccctgcagcg ggccaagcag gatatggcac 360
ggcagacctg ccc                                     373

```

```

<210> 833
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 356, 357, 358
<223> n = A,T,C or G

```

```

<400> 833
gcaagacagt gattgaatac aaaaccacca agacctcccg cctgcccata atcgatgtgg 60
cccccttggc cgttggtgcc ccagaccagg aattcggtt cgacgttggc cctgtctgct 120
tcctgtaaac tccctccatc ccaacctggc tccctccac ccaaccaact ttcccccaa 180
cccgaaaaca gacaagcaac ccaaactgaa ccccccaaa agccaaaaaa tgggagacaa 240
tttcacatgg actttggaaa atattttttt cctttgcatt catctctcaa acttagtttt 300
tatctttgac caaccgaac atgaccaaaa accaaaagtg cattcaacct taccnnnaa 360
aaaaaa                                     366

```

```

<210> 834
<211> 523
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 424, 437, 473, 483, 484, 489, 496, 498, 502, 514
<223> n = A,T,C or G

```

```

<400> 834
aaatgttaat acaacaggat ttttttttct ttttgtaaga gaaagcaa atgtacaaaa 60
atactctggt tgcaagaaaa gctagggcac actgttcaac taagagtagt ttagctgttg 120
gaaaaataag agcattttaat tttatctaaa aatatgtata aatccctca aaatggtaat 180
gaatcataca cagtacatac taaaaatatt taaaatagag aatattcctc acagaggact 240
tttttcttta attactgcta aaaaaataat tacaaagtcc aaacaggcag agagatttag 300
cacactgata acacgattct ccatcatcct ccacgcttgc tctgaagagg gtttaaaaag 360
tccagtttct cgttgatttc gctgctccat ttagccaagg ttggctggac ctgcccgggc 420
gccncttcga aagggcnaat tcccaccac tggcgggcgg ttactaatgg atnccaactc 480
cgnccaant ttgggngnaa tntgggcata actngttcct ggg                                     523

```

```

<210> 835
<211> 238
<212> DNA
<213> Homo sapiens

```

```
<210> 836
<211> 671
<212> DNA
<213> Homo sapiens
```

<400>	836						
ccaactatgc	ctctcanaac	atcacctacc	actgcaagaa	cagcattgca	tacatggatg	60	
aggagactgg	caacctgaaa	aaggctgtca	ttctacaggg	ctctaattgat	gttgaacttg	120	
ttgctgaggg	caacagcagg	ttcacttaca	ctgttcttgt	agatggctgc	tctaaaaaga	180	
caaatgaatg	gggaaagaca	atcattgaat	acaaaacaaa	taagccatca	cgctgcct	240	
tccttgatat	tgcaccttg	gacatcggtg	gtgctgacca	ggaattcttt	gtggacattg	300	
gcccagtctg	tttcaaataa	atgaactcaa	tctaaattaa	aaaagaaaga	aatttgaaaa	360	
aactttctct	ttgccatttc	ttctttctct	tttttaactg	aaagctgaat	ccttccattt	420	
cttctgcac	tctacttgct	taaattgnng	gcaaaagana	aaaagaagga	ttgatcanan	480	
cattgggcac	acagttcatt	aacttcttcc	cccttcccca	aaattnaatt	ttttnaaccc	540	
cttaccctnt	atggaaaagn	aaccttttng	aaaccccaat	naaattgnaa	annaaacct	600	
ttaactncnc	ttgggtttta	attttccaaa	ggaaattcct	cccnggggct	tnaaagggaa	660	
acccctggg	g					671	

```
<210> 837
<211> 267
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 5, 15, 25, 33, 35, 40, 46, 51, 56, 63, 70, 79, 87, 94, 118,
120, 135, 165
<223> n = A,T,C or G
```

```
<400> 837
tacangaaca actgntacac attcnaagaa cangnattcn ctgcantctc ntgatntgac 60
ctnatgggan ggacaggana atgagancac tctnccacca cttttcctgc cttggatntn 120
tatgaggatt tgtgntctgt ctaattgggtt attcctatat catgncctac taaggtaacct 180
gcttataagg catgaaaata aaacgccatt caactttttt tttgtaaagc taaaataatc 240
acatgatact tattcttttg aggattt
267
```

```
<210> 838
<211> 63
<212> DNA
<213> Homo sapiens
```

<400> 838
 ctgttttccca gcaaagatca acctctgctg gtcaggaggg atgccttccct tgtcttggat 60
 ctt 63

<210> 839
 <211> 567
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 380, 389, 418, 429, 431, 436, 469, 499, 506, 507, 522, 525,
 532, 540, 546, 553, 558
 <223> n = A,T,C or G

<400> 839
 ccaccaacag tttcccagcc acatgctggg ccctctaggt ctctccagcc cactctaagg 60
 acccaagaaa tgcagccaca gtccatctct cttttttctc tccttccggg ggaccaagggt 120
 acctttctggg gcatacaaca tggcagcagg gcctcgggaa gaggggtagg aggaccgagc 180
 agcattctct gtagaggaag acaggaaagg agaccctctt ggcgatgaat taatccttga 240
 aggaaatgac attgagcttg tttcaaattc agcggctttg attcagcaag ccacaacagt 300
 taaaaacaag gatatcagga aatttttggg ttgtatctat gtctctgaaa aaggaactgt 360
 tcaacaggct gatgaataan atctaagant taccttggct acagaaagaa aatgccanat 420
 gaccttaana nctacnttgg gatatttacc ttgcccggg cgggccaang gcgaaatttc 480
 cacacacttg gggggccgnt acttannnga atcccaactt tnggnacca anctttgggn 540
 gaaaanattg ggnaatanct ttttccc 567

<210> 840
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 840
 aaaggaatgg attttgagag aaaacaacgt gggcagaagt atggaataga aaataaatac 60
 aaatgtaggc tattctgcta attgttttat aaccacgaca aactagtaca gagaatgccc 120
 tgtacaaaac acaacaaagg ttcaaacatc gagatgttcc cttagcaagg ctgaaaattt 180
 cagtctctgg tatttggaat ttaggctgca gtcttctgtt ttggatggat cactgggtgt 240
 gtggcacagt ccatgctttt aaccagattt gaacagaaga atgg 284

<210> 841
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 841
 aaacctgatt tactagacct gggaattttc aacatggtct aattatttac tcaaagacat 60
 agatgtgaaa attttaggca accttctaaa tctttttcac catggatgaa actataactt 120
 aaagaataat acttagaagg gttaattgga aatcagagtt tgaaataaaa cttggaccac 180
 tttgtataca ctcttctcac ttgacatttt agctatataa tatgtacttt gagtataaca 240
 tcaagcttta acaaatattt aaagacaaaa aaatcacgtc agtaaaatac taaaaggctc 300
 atttttatat ttgtttttaga tgtttttacct gcccggcggc 340

<210> 842

<211> 539
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 363, 407, 418, 440, 514, 526, 528
 <223> n = A,T,C or G

<400> 842
 aaaaatgttt tcccgtgggt aattttctat tatatatattt catatgggca aagggaaaaa 60
 atgataaatc ctctgtaatc acaaacccca atttcgtttt gtttattcag cttctaaaaat 120
 attgaacacc cagactttta attcaacctt taagaacctt atcatttatg tttcagtaga 180
 tatcaaagta atccatgttt gtgtcaaagc atcatagaaa ataaatagaa gagacagtga 240
 agcaagttaa aagaaaagca ttgttttaac ttgtttgcat taattttttt catttgtcaa 300
 aatgcttctt ttgttgccac agtaaagaac agtttttatt gttttgtaag taaaattacg 360
 tanccttatt tgtatgtaaa gattaatttc cataataaaa atattgnatg gttactgnga 420
 tcttaatggg caggggtaan aaagtattta cctcgggcgc gaacaccctt agggcgaaat 480
 tccaccacac tggcggggcg gtactaatgg aatnccaact tcgggnancc aaactttgg 539

<210> 843
 <211> 626
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 443, 459, 467, 545, 558, 572, 591, 596, 597, 603, 608, 613, 616
 <223> n = A,T,C or G

<400> 843
 atcagtagag aattcaggat agttttgttt aaattcttgc agattacatg tttttacagt 60
 ggcctgctat tgaggaaagg tattcttcta tacaacttgt tttaaccttt gagaacattg 120
 acagaaatta tgcaatggtt tgttgagata cggacttgat ggtgctgttt aatcagtttg 180
 cttccaaagt ggcctactca agaggcccta agactggtag aaattaaaag gatttcaaaa 240
 acttttctatt cctttcttaa acctaccagc aaactaggat tgtgatagca atgaatggta 300
 tgatgaagaa agtttgacca aatttgtttt tttgttggtt ttgttgtttt gaatttgaaa 360
 tcattcttat tccctttaag aatgtttatg tatgaagtgt gaagatgcta gcgaacctat 420
 gctcagattt catcgtaagt ctnccttccc tgtacagant ttcaaanccg cactgatagt 480
 atgtatttct ttataaaaaa ggggtaaaaa tacaatgaac ttttacctcg gccggacacc 540
 cttangggga aatccacnca ctggggggcg tnctaaggga tccaacttgg ncccannttg 600
 ggnaaaangg gcnaantttt cccggg 626

<210> 844
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 844
 aaaaatctaa aagttttattg ccagaatagc aaacttcata aagacacctt aaagtacatc 60
 gaatatgaca agcaaaataa acagaaaact ttgaccaaag aaaagattgc cgctgtcatg 120
 cacagtcaaa ttaataccaa accaaacaag tacatcgaag agtatatggg ttatacaatc 180
 cacactctga aactaaagga gactcattcc aaaatgcttg gttttgggtt gggggtttga 240

gaggggggct ggtgctggga gggtaatttt ctccctaatac agaatatgga aatatttt 297

<210> 845

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 373, 446, 480, 482, 491, 494, 498, 544, 553

<223> n = A,T,C or G

<400> 845

```
ccagtttttga ttgcaaagtc tgtaaagata tagaatgaag tcctgtgagg ccttcctatc 60
tccaagtcta tgtattttct ggagaccaaa ccagatacca gataatcaca aagaaagctt 120
ttttaataag gcttaaacca agaccttgct tagataatttt tagtttggtg ccaaggtagc 180
actgtgagaa atctcacttg gatgttatgt aaggggtgag acacaacagt ctgactatga 240
gtgaggaaaa tatctgggtc ttttcgtcag tttggtgcat ttgctgctgc tgttgctact 300
gtttgcctca aacgctgtgt ttaaacaacg ttaaaactctt acctacaagg tggctcttat 360
gtacataagt tgntaataca tccaattaat gatgctgaca tgctattttt gtagggagaa 420
aaatatgtgc taatgatttt ttgaanttaa aatatctttt ggggaagatt gcttaaaaaa 480
tncctttttt nttncangc ttatcttgga caaacttatg ccgggttaaa atatttttaa 540
aaanaaaact ggnttggaac aaaaaaaaaa aaaaaaaaaa 580
```

<210> 846

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 336

<223> n = A,T,C or G

<400> 846

```
atcgccatta tccccagcaa aaagctccgc aacaagatag caggttatgt cagcatctg 60
atgaagcgaa ttcagagagg ccagtaaga ggtatctcca tcaagctgca ggaggaggag 120
agagaaagga gagacaatta tgttcctgag gtctcagcct tggatcagga gattattgaa 180
gtagatcctg aactaagga aatgctgaag cttttggact tcggcagtct gtccaacctt 240
caggtcactc agcctacagt tgggatgaat ttcaaaacgc ctcggggacc tgtttgaatt 300
ttttcttgta gtgctgtatt attttcaata aatctnggga caaca 345
```

<210> 847

<211> 71

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 12, 23, 27, 32, 38

<223> n = A,T,C or G

<400> 847

```
ggcagggngg anactcaatt tgntgangaa anaaaaacntc cattaaagga taaataaaaa 60
```


cccaatttat t

71

<210> 848
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 848
 ggatactcag tttgttgagg aaataagacg tcaatgaagg gataaataag agcacaattt 60
 attgcatggg aagtgtcaga tgaacagtac aatttgtgct ttagaaattc agagaacaga 120
 agggatatcat tgtagctggg tgcgggtggc cacgcctgta atcccagcac tticagagge 180
 cgaggcaggc gggtcacttg agttcaggag ttcaagacca gcctgg 226

<210> 849
 <211> 237
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 209, 211, 222, 227
 <223> n = A,T,C or G

<400> 849
 gtttaatgtg ttgtaagacg tagagtttat ctcaagctgt taaaaatggg aatgtacaaa 60
 tgtgaataga cacttatcta tataatatgg gtaagttttg ttctgcctat aatagatggt 120
 tataaaaaaca agtgagggga cagttgggtct ttttatcttt tctttctttt tctttctttt 180
 ctttttttct tttttttttt ttttttttng ncccccccg gngcccnttt gaaaaaa 237

<210> 850
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 850
 ctgtatcatc tagacgctta tatcccgtg cagatcaact ctcatgagag caaggcagcc 60
 ttccaccgga agagaaagca attaatgggt gccacatctc ccattagctc tagcatgaaa 120
 cctgtacaga caatgtttgt ttcttttgta aaaagcagta agttatgcc agtaactaaa 180
 tgaattcaaa 190

<210> 851
 <211> 525
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 197, 200, 203, 240, 249, 252, 256, 268, 274, 276, 280,
 302, 309, 321, 386, 457, 477, 495, 499, 500, 511, 514, 520
 <223> n = A,T,C or G

<400> 851
 aaataagttt atgtatacat ctgaatgaaa agcaaagcta aatatgttta cagaccaaag 60
 tgtgatttca cactgttttt aaatctagca ttattcattt tgcttcaatc aaaagtgggt 120

```

tcaatatttt ttttagttgg ttagaatact ttcttcatag tcacattctc tcaacctata 180
atttgggaata ttgttgnngn ctnttgnttt ttctcttagt atagcatttt tacctgcccn 240
ggcggccgnt cnaaanggcg aattccanca cacntnacgn ctttaatttct tttttttcaa 300
anaactaant tctgggggag ntgatattct tttcagggtg atacgtcttt tcagggaactg 360
caaggggacc ataaaggtac taatgntatt aatgtgactg acaagtaatt agaaactggg 420
aaattaaatt ttacaaacat ttttacctgc cccggcnggc cctcgaaagg cgaaatncac 480
acactggcgg ccgtnctann ggatccaact nggnccaan ctgg 525

```

```

<210> 852
<211> 504
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 387, 401, 408, 421, 440, 467, 477, 478, 482, 491, 499
<223> n = A,T,C or G

```

```

<400> 852
aaaccttttg aagtttgggt tttaaacttc cctctgtgga agatattcaa aagccacaag 60
tggtgcaaat gtttatggtt tttatttttc aatttttatt ttggttttct taaaaagggt 120
gacattttcc ataacagggtg taagagtgtt gaaaaaaaaat tcaaattttt gggggagcgg 180
gggaaggagt taatgaaact gtattgcaca atgctctgat caatccttct ttttctcttt 240
tgcccacaat ttaagcaagt agatgtgcag aagaaatgga aggattcagc tttcagttta 300
aaaagaagaa gaagaaatgg caaagagaaa gttttttcaa atttctttct tttttaattt 360
agattgagtt cattttattg aaaccanact gggccaatgt ncacaaanaa ttcttgggtca 420
ncaccccccg aacttgcccn gggcggggcc ttaagggcga aattccncca cactggngng 480
cngttcctaa nggaatccna actt 504

```

```

<210> 853
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 16, 25, 29, 36, 85, 105, 167, 256, 296, 323, 330, 334,
335, 355, 372, 396, 417, 428, 429, 441, 446, 448, 457, 471,
475, 478, 484, 488, 493, 494, 511, 523
<223> n = A,T,C or G

```

```

<400> 853
aactcaaaat tgncanatca actancttng cttttngcct ttggaaaact accattattc 60
aaattttatta tgtaatacac tcatncagat aatgaaacat ctgcnaaaag aagtgtggga 120
atcacctcat ctgtgcataa aatggctatt atacatgaat gcagacnttt gaagtttagaa 180
aggaatataa ctcaaatagc aaaaggctct aattacagag tttaaaaata agcagttgta 240
ttttcaaaag tcatantaag tccagactgg gctattgcc aagaactaat ctttantcta 300
cttcaacatg ttacatggga ttntgactn ttcnnactat taacattttg tgganggtaa 360
cttcctaaag gncccaaaa aacaggaaac attccnggaa tttaaaggctt cctcttnaaa 420
aaacaagnng ggaaaccaat ngggcnanga accttttncc gggggggccc ntttnaance 480
cctntttngg ggnncttttt taaaaggggg naatttcccc cnccttgagg ggg 533

```

```

<210> 854
<211> 124

```

<212> DNA
<213> Homo sapiens

<400> 854
ccttaggctg gacctaaata gattgatttc atttctaacc atccaattct gcatgtattc 60
ataattctat caagtcatct ttgattcctg gacctaaata attttttttc cctttcaaaa 120
aaaa 124

<210> 855
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 209, 211
<223> n = A,T,C or G

<400> 855
cctaccgcag cctgctcgag ggacaggaag atcaactaaa caatttgtct gctccaagg 60
tcctctgagg cagcaggctc tggggcttct gctgtccttt ggagggtgtc ttctgggtag 120
agggatggga aggaaggac ccttaccctc ggctcttctc ctgacctgcc aataaaaaatt 180
tatggtccaa aaaaaaaaaa aaaaaaaanc ntcccggggg ggcctttcaa aggggggaaat 240

<210> 856
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 368, 431, 459, 465, 472, 507, 514, 522, 548, 550, 558, 585,
591, 592, 612, 622, 631, 634, 652, 656, 678
<223> n = A,T,C or G

<400> 856
cctcagcata attcttcagg tgcattctct aggagagtc gtcattgattc accagatccc 60
tctctccta ggcgagcccg tcatggttcc tcagatatct cttccccag aagggtccat 120
aacaactccc ctgacacatc taggaggact cttggctctt cagacacaca gcaactcaga 180
agggcccgtc atgactcccc tgatttggtt cctaattgtca cttattccct gcccagaacc 240
aaaagtggta aagccccaga aagagcctct agcaagactt ctccacattg gaaggagtca 300
ggagcctccc acttgtcatt cccaaagaac agcaaatatg agtatgacct tgacattctt 360
cctccacnaa aaaagcaagc aaaatcccat ttggagaca agaagcactt gattccaaag 420
gtgactgcc aaaaagcaact gattcaaaaac tttcttctnc ccgnataaaa cnaaatccag 480
ggccaggat tcttaattca aattttnacc ttncgggaat anaactaaaa acccggaact 540
ttttattntn aacctctntt cccccagggg ggaaaaccga aggancccaa ntttttttaa 600
tttttacctt tcccccccc cnaaaggaaa naanccttct tggaaaaaaa gnttttncaac 660
aatttttttt gggggctnaa aaaggggggg ggggt 695

<210> 857
<211> 409
<212> DNA
<213> Homo sapiens

<400> 857
 ctgccaaagat ggagaagcat gtgcccctgt agagcgtctc cccagaacca gaccccgagc 60
 cactcgcttc ctctgtgctg tgacaacatt ggtgccaggg gagatgggtgt ttttcaaagg 120
 gacctactgt agccacttta atttacaatt aagagcctta gtttgactta acacttttgt 180
 aggcttttca ttgtgtatgt ttgtgtatgt gtgcatatag cagctactct gtagcagagg 240
 tgggtagaga cacttaatag tatcatgtcg catgcagatg tcacatcggc ctctgcaaaa 300
 actgtactgt cttgtttctg cattagactt aagtagtcat gtgaatatac tgctatgtca 360
 cttttaatat tacgagtttt atacttgga aatgggtactt gcttctttt 409

<210> 858
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 858
 ggaattcttt gtggacattg gcccagtctg tttcaaataa atgaactcaa tctaaattaa 60
 aaaagaaaga aatttgaaaa aactttctct ttgccatttc ttcttcttct tttttaactg 120
 aaagctgaat ccttccattt cttctgcaca tctacttgct taaattgtgg gcaaaagaga 180
 aaaagaagga ttgatcagag cattgtgcaa tacagtttca ttaactcctt cccccgctcc 240
 cccaaaaatt tgaatttttt tttcaacact cttacacctg ttatggaaaa tgtcgacctt 300
 tgtaagaaaa ccaaaataaa aattgaaaaa taaaaaccgt aaaa 344

<210> 859
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 369, 401, 404, 407, 421, 462, 468, 480, 521, 527, 534, 535,
 538, 544
 <223> n = A,T,C or G

<400> 859
 ccggagtcca tagcacatat tggggatgtg atgtttactg ggacagcaga tggccggggtc 60
 gtaaaacttg aaaatggtga aatagagacc attgcccggt ttggttcggg cccttgcaaa 120
 acccgagatg atgagcctgt gtgtgggaga cccctgggta tccgtgcagg gcccaatggg 180
 actctctttg tggccgatgc atacaaggga ctatttgaag taaatccctg gaaacgtgaa 240
 gtgaaactgc tgcgtgcctc cgagacaccc attgagggga agaacatgtc ctttgtgaat 300
 gatcttacag tcaactcagga tgggaggaag atttatttca cccgattcta gcagcaaagt 360
 gcaaagacna gactacctgc ttctggtgat ggagggcaca natnacnggc gcctgctgga 420
 ntatgatact gtgaccaggg aaataaaaatt tttttggacc anaacttngg cccgaacacn 480
 ctttaagggg aatttcaaca cacttgggcg gcgctactta ntggatncca actnnggncc 540
 caancttggg gg 552

<210> 860
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 860
 ctgggggtggg gggatgtagc ctacctcggg ggactgtctg tcttcaaaac gggctgagaa 60
 ggcccgtcag gggcccagggt cccacagaga ggccctgggat actcccccaa cccgaggggc 120

agactgggca gtggggagcc cccattgt

148

<210> 861
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 436, 551, 557, 560, 571, 572, 582
<223> n = A,T,C or G

<400> 861
cactgttctt gtagatggct gctctaaaaa gacaaatgaa tggggaaaga caatcattga 60
atacaaaaaca aataagccat cagcctgcc cttccttgat attgcacott tggacatcgg 120
tggtgctgac caggaattct ttgtggacat tggcccagtc tgtttcaaataaatgaactc 180
aatctaaatt aaaaagaaaag aaatttgaaa aaactttctc ttgccaattt cttcttcttc 240
ttttttaact gaaagctgaa tccttccatt tcttctgcac atctacttgc ttaaattgtg 300
ggcaaaagag aaaaagaagg attgatcaga gcattgtgca atacagtttc attaaactct 360
tccccgcctc ccccaaaaat ttgaattttt ttttcaacac tcttacacct gttatggaaa 420
atgccaacct ttgtanaaac caaaataaaa attgaaaaat aaaacctaata catttgcccc 480
ttgtggcttt tgaatatattt cacagaggaa attacctgcc cggcggcctc caaaggcgaa 540
ttcacacctg nggcctntan ggaccacttg nncacttgg gnaatatggc ta 592

<210> 862
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 80, 134, 176, 199, 203, 232, 288, 300
<223> n = A,T,C or G

<400> 862
ataagggctg tttttgctgc cccaaaaggg cttaacaatt taggcggata gtttacttaa 60
aaaaaaaaaa tcctttggnan acatactgaa aatgcaaaact agttttctaaa ttatcaattc 120
cctacatgaa aaancagttt gccaaagttt agtctcaaaa aatgactggg tggcctntatt 180
taaatcaaaa cccaatttnt acncgtgttg aataaggtaa cagcctttga tnaatttctc 240
tcacaacatg gtttttagtga agcaaacatt tttttttaag ggcattgntc tttctagttn 300
atttcttttt atgaaataaaa attattttat tt 332

<210> 863
<211> 297
<212> DNA
<213> Homo sapiens

<400> 863
ccttggttta attgcaggcg cattgaacag tcttgggcac tacatgtaaa ttaagcccaa 60
agatggggag aaaggaaaag gagagacaaa tatagtccat actgagagtc atcaacaatc 120
cagactgaag tcttctattt taatctcaat ccccttttct gatttgccac ccatgcctct 180
tcaggctgga aacaatctct tggttcccta aagcaacttc ttctgactgc tgtgattcag 240
tgaaccttgc cctttgcttt ctattaacttg tgcatttggc tcacctgaca atgtttt 297

<210> 864
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 864
 gtgtctaaaa atccattccc tctgccctga agcctgagtg agacacatga agaaaactgt 60
 gtttcattta cctcggccg 79

<210> 865
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 865
 tagaaattga gatgcccccc caggccagca aatgttcctt tttgttcaaa gtctatTTTT 60
 attccttgat atTTTTcttt tTTTTTTTT ttttgggg 98

<210> 866
 <211> 582
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 397, 404, 414, 426, 513, 518, 528, 545, 567, 568, 569
 <223> n = A,T,C or G

<400> 866
 aaaatatttc ccctagtttt ttgggggggat aggaagaaaag atttggttact gtattttttt 60
 aactacataa aaatagatca ataaatgtca gcattggcct ctgtgtacaa accaagagct 120
 tttacagatc cagaatttat tagtttaaaa tgcagggtgaa cttttttttg cgttttggtt 180
 acttgtctgt caaatgtttc cttaaacatg aaactgaata aggagaagag tatttttaac 240
 acttaaatTT cttggcaaat tttaaaacat ttttttagtct gtaatacact ccacttgaag 300
 cacttaagtc ttccttaaat gacttttctt aagtaatgat actgtgtgtt ttcccaaagc 360
 acttttaaaa aaatttttat aaattactat ctgttgnaaa aggnnggcct tttncctttc 420
 ttctanaatt tttttcttac caaaatttcc ctaatctttg aaagggtttg ggaaatttaa 480
 aattttcaaaa tggccaaaaa accttgacct cantttancc ttgcccngg gccgggcccc 540
 ttttnaaaaa ggggcaaaat ttcccannnc cctttggggg gg 582

<210> 867
 <211> 663
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13, 32, 38, 64, 400, 496, 521, 537, 548, 550, 551, 576, 580,
 588, 602, 605, 610, 619, 625, 626, 636, 637, 646, 652, 654,
 659
 <223> n = A,T,C or G

<400> 867
 aaacattacc cancatcatt gtttataatc anaaactntg gtcctttctgt ctggtggcac 60

```

ttanagtctt ttgtgccata atgcagcagt atggagggag gattttatgg agaaatggg 120
atagtcttca tgaccacaaa taaataaagg aaaactaagc tgcattgtgg gttttgaaaa 180
ggttattata cttcttaaca attctttttt tcagggactt ttctagctgt atgactgtta 240
cttgaccttc tttgaaaagc attcccaaaa tgctctatct tagatagatt aacattaacc 300
aacataatct tttttagatc gagtcagcat aaatttctaa gtcagcctct agtcgtgggt 360
catctctttc acctgcattt tatttggtgt ttgtctgaan aaaggaaaga ggaaagcaaa 420
taccaattgt actatttgta ccaaactctt gggattcatt ggcaaataat ttcagtgggt 480
gggtattatt aaatanaaaa aaaaattttt tttctaaggt naaggctaag tgaaacnttt 540
gacttatnan nacaattttc ctttcaaata aattcnttcn aaaaaatnaa aaaaaaactt 600
gncnnaaccn cctaagggna attcnnnact ggggcnntta atgganacaac cngncaacnt 660
ggg 663

```

```

<210> 868
<211> 251
<212> DNA
<213> Homo sapiens

```

```

<400> 868
ggaaaaccaa acatgcttta tttcattttt ttcacaattt atttaaacad ctcacatata 60
caaaatagggt acaattttaat ttttctgctt gcccaagaaa caaagcttct gtggaaccat 120
ggaagaagat gaaaatgaga ctggcaaaga acaaatgctg aatctgaaga agaggacaac 180
tttgggcaaa taatctgcat acttttaatt gggaataaga tggaaaatat gaatgctaaa 240
tcaaattttt t 251

```

```

<210> 869
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<400> 869
aaatgttgaa tattcccttg tatggatata ccacaattca tttacccatt tacttgttga 60
tgacatttgg gttgttttag ttttgggata ttacaaataa agctgctgtg aacatttgtg 120
caaaaaaaaa aaaaaaaaaa aaa 143

```

```

<210> 870
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 4
<223> n = A,T,C or G

```

```

<400> 870
nngnatgttt ttattaaaaa aaattaaaga cttcatggc acaacttctt cccagcacag 60
ttatggttta gtcataccaa ttacaatata attacaacca ataaagcaag gtggggaggg 120
ccttctggct tcaaacttaa aaaaaagcag aggaagaggg gagggaccac ttcaaacaaa 180
gtttaaaaaa tctttcagag taattgccaa cataaccttt catgttgg 228

```

```

<210> 871
<211> 696
<212> DNA
<213> Homo sapiens

```

<220>

<221> misc_feature

<222> 5, 395, 427, 476, 530, 542, 543, 565, 613, 625, 637, 643, 663, 670, 681, 690

<223> n = A,T,C or G

<400> 871

```
ctgangatta gctaattctaa gaacttgaag ctcccgttta aggccttgcct ctgtctcagc 60
acctgttggt caaggtcttc attgtatttg ttaacttttt gttctctctc tgttgcttct 120
tttacaagct gtttaagggtc agtaatgctt tgattttttt tggcaatata agttttccaat 180
tcttttaact tggtttcata cattcttgta accacaatgg atttccagct cttactgtca 240
gcaccttcaa gctgtggacc tctgctttct gcaaaactgca atctcttacc agtctcttct 300
agttgaactg tcactctctc atttaatatc tctaaattat tctttgctat cccgtaattt 360
ctctgcacat cagtttcttt ttttaagtctt ttacnaacct ttcattttca gcaataattt 420
tttctgngcc tttggtcttg gattcatagt gcatgctcaa ctgatgccc aaagancctt 480
aagttttcta attcagcctt caattttcat tttcctgctc aaaataaacc atttttact 540
anncaatatt cctgaagctt ttttactggt tcatttctct ctggactttt cacacttttt 600
tcattaaacc canggttttt tccanttttg gaatggnttt tcnctttttac caaaccttta 660
aanggacctn ccgggggggc nttaaagggn aatccc 696
```

<210> 872

<211> 206

<212> DNA

<213> Homo sapiens

<400> 872

```
ccagataagc taggatgaga gcagagactc agtgtgtggg tgtcccttcc tgcttccct 60
tcaggctctg gtttgttctg aaggagcgtt ttatagtcac tatccacatg ccagtgtgaa 120
atgggcatct atgacgtggt cagggtgtcc attcctaate atggggcaga tgccacaagc 180
attcagaaaag gagtctgaaa ggggtg 206
```

<210> 873

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 438, 440, 473, 485, 497, 520, 521, 542, 551, 564, 567, 571

<223> n = A,T,C or G

<400> 873

```
tttttttct aaagagaaaa aatttttatt gtgatataaa atgcacttat aaaatgtcca 60
ccagaaggca tgtaatcctt cactgctata taaatttact gggaatatgt tattcaccat 120
ctaggtatga tactgccaac taaaacatac tgtaaagcat gagttatact ctataacaaa 180
tgcatcactg attttcagca atcattgggt taataataat tagtttaaga ctataatcac 240
atctatattc tggaatgtcc atttacttta atgtagtgta gtggaattta gagtataatt 300
gcacatagat ggtacagaaa aacattcact tctaaattat tttatacctt catgacaggt 360
agtcttctcg actgaaaaata acagcttcag ctatggctctg ctccaggatt cttaatgcaa 420
taatttgggt gtatgtgngn ctgctacctg acccccatgg aacaacttat atntttataa 480
acaangcaaa attttgncag ttatttttgc tggttacctn ncccggcggg cctttaaaag 540
gnaaaaatcca ncaattgggg ggcnttntta nggaa 575
```


<210> 874
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 874
 ccactgcctc tgcagtatca aagagaatta gtctttccac aaaacaaatt ttaacagcca 60
 atctctggat ttctgtagtg gcttttagtca ggcatattta tcatcatatt agcagtgttc 120
 agttcctgcc caacatcttt atttaatccc aattcaatgc ttatggatgc tcagctcatg 180
 tttaatgttg caagcccat cttagcccat ctttaattcaa acagaa 226

<210> 875
 <211> 566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 378, 511, 514, 531, 545, 555, 562
 <223> n = A,T,C or G

<400> 875
 gtgttattca tggggcagat aaacaaaccc tgaagagtat acaaaagaaa ccatgcaaag 60
 caacgactac ttgtctacga agaaagactc ctttcctgca tctttcatag ttctgttaaa 120
 tatttttgta catcgcttct ttttcaaaac tagttcttag gaacagactc gatgcaagtg 180
 ttctgtttct gggaggtatt ggagggaaaa aacaagcagg atggctggaa cactgtattg 240
 aggaatgaat agaaaggcct ccagatgtct aaaagattct ttaaactact gaactgttac 300
 ctaggttaac aaccctgttg agtatttgct gtttgtccag ttcaggaatt tttgttttgt 360
 ttgtgtctata tgtgcggnnt ttcagaagaa atttaatcag tgtgacagaa aaaaaaatgt 420
 tttatggtag cttttacttt ttatgaaaaa aaaattattt tgccitttaa attcttttcc 480
 cccttccctt tccaaagtct tgatagccaa ncgntttttt ttggggggaa naaacggggg 540
 aaaantctaa cccentttgg gntttt 566

<210> 876
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 876
 ctgctacatg cgggtggagtg tccacaattt gccggtcate tgaggagcca cctcgcttca 60
 ggtcaatgac tggggcgagg actgtacttt gtttcgtcct ttggctcttt gcctgagtga 120
 gagctgcctt cttcac 136

<210> 877
 <211> 499
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 443
 <223> n = A,T,C or G

<400> 877

```

nnaatgttca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
ttctgtaaaa aggcagacca gggatgtaat gtttttaatg tttcagaagc ctaacttttt 120
acacagtggg tacatttcac atttactaa tgttgatatt tggctgatgg ttgagcagtt 180
tctgaaatac acatttagtg tatggaaata caagacagct aaagggctgt ttgggttagca 240
tctcatcttg cattctgac aattggcaag aaagggagat ttcaaaatta tatttcttga 300
tggtatcttt tcaattaatg tatctgtaaa agtttctttg taaatactat gtgttctggg 360
gtgtcttaaa attccaaaca aaatgatccc tgcatttctg aagatgttta cctcgccgcg 420
gaccacgcta agggcggaatt canccacttg gcggccgtct aatggatcca actcggaaca 480
gcttgcgaaat catggcata 499

```

<210> 878

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16, 175, 236, 339, 389, 394, 395, 400, 444

<223> n = A,T,C or G

<400> 878

```

gctgcgaggg ccgaanctaa gctctcacgt ctggccgcct tcaggctccg cacacacagg 60
aagcaaaagc taaggcagag ttgaaaatgt gttaaccgc ggaagggctg accccacatg 120
cacacagacc cttctacaaa ctctgggagg gttttatggg tttttttgat tccanagtgt 180
taaggaaatc tctgtcctat cactgaccct gggctaaaag aataggaaga aacggncata 240
cgtgacaaaa aatacagact ttacaaccag aaaagtcatt aaacaaataa ctactgcaac 300
aaacaagcaa agaaccaaa cccgggaaaa gggcggtang gatcattttt ttccagaatt 360
tgctaccatt attaatattt cttaaacanc ccanntttan cctcgggggc gcgaaccacc 420
ccttaagggg cgaaatttcc agnccactt gggcgggccg ttacttagtg ggaatcccaa 480
cttc 484

```

<210> 879

<211> 259

<212> DNA

<213> Homo sapiens

<400> 879

```

aaacttttcc ttcaagttat gggccacttc aaaaacagtg tggcattgag ggtaggcaag 60
tgggagaagg gagacctgga ctgcagagtc cagaagccag aactttgaac tgtgtttcta 120
gctctttcca gcagtgagaa cttggaaagg tagactcttt gcactctcaac cttctcatct 180
ttcaaagggg atgaataatt ccaatcacac aagaaaggac tgaacaagat gaacaagatg 240
atcactgtcc aggcgcggg 259

```

<210> 880

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 481, 482, 495, 541, 542, 552, 553, 571, 581, 582, 589, 592, 599, 601, 608, 613

<223> n = A,T,C or G

```

<400> 880
gcgagaatga agactattct cagcaatcag actgtcgaca ttccagaaaa tgtcgacatt 60
actctgaagg gacgcacagt tatcgtgaag ggccccagag gaaccctgcg gagggacttc 120
aatcacatca atgtagaact cagccttctt ggaaagaaaa aaaagaggct ccgggttgac 180
aaatggtggg gtaacagaaa ggaactggct accgttcgga ctatttgtag tcatgtacag 240
aacatgatca aggggtgttac actgggcttc cgttacaaga tgagggtctgt gtatgctcac 300
ttccccatca acgttggttat ccaggagaat gggctctcttg ttgaaatccg aaatttcttg 360
ggtgaaaaat atatccgcag ggttcggatg agaccagggtg ttgcttggtc agtatctcaa 420
gccagaaaag atgaattaat ccttgaagga aatgacattg agcttgtttc aaattcaccg 480
nntttgatcc agcangcccc accagttaaa aacaaggata tcagggaaaat ttttgatgg 540
nntctatggt tnntgaaaaa ggaacttttc ngcaggctgg nngaataana anttagaant 600
nccctggntc ccnaaaaaaa a                                     621

```

```

<210> 881
<211> 357
<212> DNA
<213> Homo sapiens

```

```

<400> 881
gcgctcttgg accgtctcaa ggtgtttgac ggcatccac cgccctacga caagaaaaag 60
cggatggtgg ttctgtctgc cctcaaggtc gtgcgtctga agcctacaag aaagtttgcc 120
tatctggggc gcctggctca cgaggttggc tggaagtacc aggcagtgcg agccaccctg 180
gaggagaaga ggaaagagaa agccaagatc cactaccgga agaagaaaca gctcatgagg 240
ctacggaaac aggccgagaa gaacgtggag aagaaaattg acaaatacac agaggtcctc 300
aagaccacag gactcctggt ctgagcccaa taaagactgt taattcctca aaaaaaa 357

```

```

<210> 882
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 9, 17
<223> n = A,T,C or G

```

```

<400> 882
nnetgtctnc tgggcanaca taccatgtgg ctgtggtctg ctacctgacg tctcaggtea 60
gagccaccta ccatggaagt ttcagtacaa agaaatctca gccccacct ccacagccag 120
caaggtcagc ttctagttca accatcaatc taatggtgag cacagaacca ttggctctca 180
ctgaaacaga tatatgcaag ttgccgaaag acgaaggaaac ttgcagggat ttcataattaa 240
aatggtacta tgatccaaac accaaaagct gtgcaagatt ctggtatgga ggttgtggtg 300
gaaacgaaaa caaatgtgga tcacagaaag aatgtgaaaa ggtttgcgct cctgtgctcg 360
ccaaacccgg agtcatcagt gtgatgggaa cctaa                                     395

```

```

<210> 883
<211> 294
<212> DNA
<213> Homo sapiens

```

```

<400> 883
cgaagacett tgctctgctg ctgctgtccc tgttcctggc agtgggacta ggagagaaga 60
aagagggtca cttcagcgct ctccctccc tgctgtttgg atctcatgct aagggtgagca 120
gccctcaacc tcgaggcccc aggtacgcgg aagggaactt catcagtgac tacagtattg 180

```

```
<210> 884
<211> 252
<212> DNA
<213> Homo sapiens
```

```
<210> 885
<211> 218
<212> DNA
<213> Homo sapiens
```

```
<210> 886
<211> 693
<212> DNA
<213> Homo sapiens
```

<400>	886					
ggaaaaaaaa	ttagaggatg	aagccaaaac	taacacattc	taaagaattg	caaggaaagc	60
aactatgtaa	ttctgttgaa	aaaggaaagc	tcaggaaata	ctctttttat	ttctttttgat	120
tctagctgtc	tgcgagcctg	gctgtggtgc	acatggaacc	tgccatgaac	ccaacaaatg	180
ccaatgtcaa	gaaggttggc	atggaagaca	ctgcaataaa	aggtacgaag	ccagcctcat	240
acatgccctg	aggccagcag	gcgcccagct	caggcagcac	acgccttcac	ttaaaaaggc	300
cgaggagcgg	cgggatccac	ctgaatccaa	ttacatctgg	tgaactccga	catctgaaac	360
gttttaagtt	acaccaagtt	catagccttt	gttaaccttt	catgtgttga	atgttcaaat	420
aatgttcatt	acacttaaga	atctggctga	attttattag	cttcattata	aatactgact	480
gatatctact	cttnccctta	agttttttaag	ncctctgtac	atgatggnat	aaattttctt	540
gtttcagtn	tttgggacan	atttntntta	tgaattgtt	cnggtaaaat	ttnnnggngg	600
agtgggaaan	ttttcaaatt	ccatcctttt	ggggttgggg	ngggggacat	naaaaggtaa	660
ttggggcaaaa	tgctnagncc	aaaatttgan	ggc			693

<210>	887
<211>	593
<212>	DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 433, 440, 496, 500, 502, 506, 533, 541, 549, 563, 570, 575, 582, 584, 588

<223> n = A,T,C or G

<400> 887

```

ngcgagagct tcaagagcaa agagtttgtg tctagtgatg agagctcttc gggagagaaac 60
aagagcaaaa agaagaggag gaggagcgag gactctgaag aagaagaact agccagtact 120
ccccccagct cagaggactc agcgtcagga tccgatgagt agaaacggag gaaggttctc 180
tttgcgcttg ccttctcaca cccccgact cccacccat attttggtag cagtttctcc 240
tcatgaaatg cagtccttg agtctgtgcc atctgaacat gctctcctgt tgggtgtgat 300
gtcactaggg cagtggggag acgtcttaac tctgctgctt ccaaggatgg ctgtttataa 360
tttggggaga gataggggag gaggcaagg caatgcagga tccaaatcct catcttactt 420
tcccgacctt aangatgtan ctgctgcttg tcctgttcaa attgcttgga acaggggggtc 480
atgtgaaggc caggancttn gnccgngaac ccccttaggg gggaattcca gcncccttgg 540
nggccgttnc ttgtggatcc canctcggnn cccancttgg gngnaatnat ggg 593

```

<210> 888

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 346, 481, 500, 516, 568, 575, 579, 580, 589, 591, 599

<223> n = A,T,C or G

<400> 888

```

gctnttcttg gttccttcag tgggtgttgg agtaaaatgg taggtaaaag ttaggctgca 60
agttcaataa atcatgagat ttcccatcgt tacacccttg tgtattcaca tttcttggat 120
caaacatttt gagtgaacta ggggttttta ttaaagacat ttgttgtatt tatgggtgta 180
actgtacatg cttatcagga tgagactgaa agaaggtagg gcaaaaaatgg ttgaatctat 240
tttcagatag tagttcatac ttgagtgaag tgtcttgtct gcattatgaa gcctgggatg 300
tatccagtac taaatagggt gggttaaagt ggtaattcta gttcantgtc ttaccctgaa 360
gagaaagttg taggttggct gttgaaattc attccttaga tatgatcaag tttgattgcc 420
ccggctttat tgcctttaca ggaatgtgat actcagggtt tactctatac accaatgagt 480
nttctttgat cctaagaacn ccactgaagt tggtnagggt ctttggacaa catgaataaa 540
cttcttcaaa aacttttttt tcctttgnaa ggaangggnn ttgcttcang ntactaatna 600
aaaaaa 606

```

<210> 889

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 397, 408, 474

<223> n = A,T,C or G

<400> 889

```

ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60
atgccaatgt caagaagggt ggcatggaag aacttgcaat aaaaggtaag aagccagcct 120
catacatgcc ctgaggccag caggcgccca gctcaggcag cacacgcctt cacttaaaaa 180
ggccgaggag cggcgggatc cacctgaatc caattacatc tggatgaactc cgacatctga 240
aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300
aataatgttc attacactta agaatactgg cctgaatttt attagcttca ttataaatca 360
ctgagctgat atttactctt cttttaagtt ttctaantac gtctgtanca tgatggtata 420
gaatttcttg tttcagtgtc ttgggacaaa tttatattat gtcaaattga tcanggtaaa 480
a 481

```

```

<210> 890
<211> 281
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 218
<223> n = A,T,C or G

```

```

<400> 890
ccaaaaccag gctttgattg aaccaggatg aatgcgggtg tcggaagtag aatatatata 60
tacatataaa attgaaactg gcgatggaat atgagaggag ccctctggaa agaaaaggac 120
agaccctgtg ctttcatgaa agtgaaaatc tggctgaacc agttccacaa ggttactgta 180
tacatagcct gagtttaaaa ggctgtgccc acttcaanaa tgcattgtt agactttgaa 240
atttctaact gcctacctgc ataaagaaaa taaaatcttt t 281

```

```

<210> 891
<211> 153
<212> DNA
<213> Homo sapiens

```

```

<400> 891
ccagccctga agttgccctc ccaggaggga accagctctg ggagggaggg gctgtcagac 60
ctccagggcc tggctgggat ctctggtcag gaatgtgtga aagggtggtg gggagagaag 120
atggcagcac cccaggcat gggctgagag cag 153

```

```

<210> 892
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<400> 892
aaagtagttt tctttaggaa ctgtcagcat gttgttgttg aagtgtggag ttgtaactct 60
gcgtggacta tggacagtca acaatatgta cttaaaagt gactattgc aaaacgggtg 120
tattatccag gtactcgtac actatTTTT tgtactgctg gtcctgtacc agaaacattt 180
tcttttattg ttacttgctt ttt 203

```

```

<210> 893
<211> 211
<212> DNA
<213> Homo sapiens

```

```

<400> 893

```

```

cggccgaggt aaatttgcca gcagggaagt aaaataatta tgggaagagt gtcttaagcc 60
taatatataa tcagttttgt taaggggaaa actcaatagt tctgttactt aggctgttag 120
atccaagttg atttttgtgt ctacagctaa attttgttta caattaggct attttttaat 180
ataggattta gaaaccaagg gtatgtgttt t                                     211

```

```

<210> 894
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<400> 894
ctgattttat ttcctttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagttaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240
ctagtgcctg tcatgttata ttaaacatac atacacacaa tctttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt                                     344

```

```

<210> 895
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 34, 56, 65, 71, 77, 90, 97, 183, 204, 206, 246, 249, 260,
323, 336, 351
<223> n = A,T,C or G

```

```

<400> 895
ctgaaggaga ctgtggaaaa atataaacga gcnttggcag aactgagaa cttacngcac 60
agganccaga nattggngga ggaggcaaan ttatacngca ttcaagcctt ctgcaaggac 120
ttgttgagga tggcagacgt tctggagaag gcaacacagt gtgttccaaa agaagaaatt 180
aangacgata accctcacct gaanancctc tatgaggggc tggatcatgac tgaagtccag 240
atccanaang tgttcacaan gcatggcctg ctcaaattga accctgtcgg agccaagttc 300
gacccttatg aacatgacgc ctngtaccoc accgntgaa gggaagacca ngcacatggc 360
cctactacaa agtggggaca agctgcttgg ccactctaga cc                                     402

```

```

<210> 896
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 155, 164, 166, 170, 217, 220, 235, 261, 279, 286, 318, 326,
335, 362, 400, 406, 410
<223> n = A,T,C or G

```

```

<400> 896
ccaagaacgt gcaataaatt ggaagtttgc cccggggcag caagaattta tgctgccatt 60
gaagagcagg taccagtgcc ccttttcaga cagtttttga ttcgctctag actttttttt 120
tttttaatat ggaggggaaa aatttgataa tttntttttt tctncttgcg cttaaaaaacta 180
aaacacaggt tgggataaat ttatttgctt ccttttnccn tttttttccc caaancctga 240

```

```

tgggaaaaat gtccagggca nggaaacccc cttttttgna gggganaact caaatgaaaa 300
ttggggctta tttttaacnt tctctnttgg ggctnttttg gggggctatc tgttttaagg 360
gntcctttaa ggcccctggg ggccctggac ctgcccgggn ggcctnaaan ggggaaattc 420
caaca                                           425

```

```

<210> 897
<211> 172
<212> DNA
<213> Homo sapiens

```

```

<400> 897
aaagcactca cataaatcca tttcaactcaa aaaggaaaca taaagtgcct ctagcagtag 60
aagcacggtt ggcatggcct ttccaaaggt ctccactag agtctagaga aatctaaata 120
tagtcatcca caaactggat gtttttattt tctgagccat tagagatttt ca          172

```

```

<210> 898
<211> 516
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 270, 283, 301, 336, 358, 405, 410, 430, 441, 452, 463, 479,
480, 485, 509
<223> n = A,T,C or G

```

```

<400> 898
ccggattgga gggagcacag atacaggcaa acatatcaag gagaatgact attatactcc 60
aactggggag ttccgtgtgg accgtgaagg ttctccagtg ctgctcaact gctcatgta 120
caagatgtgt tactatcgct ttggacaggt ttacacagaa ccaagcgctc tccagctttg 180
accgtgtccg aaaatgctga gattgggaat aaagactttt gagcttgatg tccgtggagga 240
aacatatacc acagaacatt ggctggtcac gatatacaag gtnaaaggac ctggataatc 300
naagcttgtc aaggacataa atggcacggt caactntgat tgcttccact tagccatnac 360
atttaagacg ttgaaaaatt tttttttttt tttttttaat atcantttgn aaaaacaaaa 420
ctggatgggn ttaaaatttt ntggaaattt tnttttgggc aanatgggct gggccaaann 480
aaaanatttt ttttaatttta aaaagggtnc ccaaaa                    516

```

```

<210> 899
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 262, 273, 311, 331, 353, 357, 402, 418, 424, 433, 439, 443
<223> n = A,T,C or G

```

```

<400> 899
atgaagttca atcccttcgt tacctcggac cgcagtaaaa accgcaaacy tcaacttcaat 60
gccccctcac acgtgcgcag gaagatcatg tcatccccgc tctccaagga gctgcggcag 120
aagtacaatg tccgtccat gcccatccgc aaggacgacg aaggtccagg tagttcgaag 180
gacactacaa aggtcagcaa attgggcaag ggtagtccca ggtggtacca gaaaagaaaa 240
tattgtcaat ctaacatcga ancggggtgg canccgtgaa gaaagggccc aaacgggcac 300
caaacttggt nccccgttgg ggccatttca nccccaaagc caaagggtgg ggnttantca 360

```



```

cccaagggct taaaaaactt gggaacccaa gggaattcgg gnaaaaaaaaa aaaatttntt 420
tggnaaacgg ccnaaaagnc ccnaaatatt 449

```

```

<210> 900
<211> 190
<212> DNA
<213> Homo sapiens

```

```

<400> 900
aatgaagtg attctaagat ttggtttggg atcaatagga aagcatatgc agccaaccaa 60
gatgcaaagt ttttgaaatg atatgaccaa aattttaagt aggaaagtca cccaaacact 120
tctgctttca cttaagtgtc tggcgcgaat actgtaggaa caagcatgat ctttgttact 180
gtgatatttt 190

```

```

<210> 901
<211> 570
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 338, 373, 417, 469, 515, 520, 536, 558, 565
<223> n = A,T,C or G

```

```

<400> 901
aaacatctca catatacaaa ataggtacaa tttaattttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattagga ataagatgga 180
aaatatgaat gctaaatcaa attttttaaa aaatcaccac acgatacaac tcaatacagg 240
gagtattctt tctcaaaatt ctttcttacc cccatcaaca attctttcaa agtattcttg 300
gaaaatacct tatttaaatt taagccccct tttggtantt tattgaaacc aaaaacccaa 360
aaaccaaggg gancccttca aggtttcatt cttcttggtc ttaaggggtc aagccanccc 420
taaaccaatt ggtggggaat caccaccttc atttggggga aaaggtggnt tttggaaggg 480
taaattttac ccttcggggc cggcggaaac caccnccttn agggggcgga aatttnccaa 540
ccacccctt tggcgggncg gtttncttta 570

```

```

<210> 902
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 304, 309, 396, 400, 408, 409, 428, 456, 472, 477, 493, 506,
513, 532, 536, 537, 544, 546, 568, 578, 590
<223> n = A,T,C or G

```

```

<400> 902
ccatgatgt gcccgaatac agtacacatt ttttggttaa atttgttttc agatcatttc 60
atggaatctt tgaagtatct ttgactctaa ctttgacttg gtggtggacc ttccttgggt 120
tttataacac ctaagagata tccttttagaa ttacatgtat tttagcataa ggaaattgga 180
aaaagtaaaa catctgggtt ttttcaccaa gaccatattg taaataaaaat agtgaaaatg 240
gtggtatgaa gttcaagtaa gaacctggac cctcaaccaa tggttttcca ttaaaatatg 300
ccanaagtnc ttttcttttg gaattgggta atttaaccaat aattggttaa aattggaatg 360

```

```

catttgccat ttctaaggaa tctaaaagaa ttggantacn agaaagggnnc caatttttatt 420
atttgganga aaaatatgaa aaattaccgg ggcccnatac ctgggttttga tnaaatnaaa 480
ttggattttt tanccttggg ccgcgnaacc acnccttaag gggggaaaaat tncaannaca 540
cctntngcgg gccgtactaa aggggaancc caacttcngg aacccaaaacn ttgggggggaa 600
a 601

```

```

<210> 903
<211> 532
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 310, 354, 369, 426, 433, 439, 449, 476, 481
<223> n = A,T,C or G

```

```

<400> 903
ctgggtacca ttccgggtca tccgcagaaa ttccctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacagggg gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
agagttgggt gaaccgcctc ctcaatatcc ctttttggtc ctctgggtaa ttgggtgggt 240
gcctggcctg gcttttgctc tgggaaatat gggtaagggt tgggtgaatg ggtgaaaatt 300
caagggtaan aaatgcctgg ggtggccttg aaccttcttt gggtgggttg aatnaacttg 360
gatgaactnc atttcttgca catgggattg tccaccactc tgggaagggt gaaccaacc 420
aatggnatga agnatttang ggccttatnt aaaaaagaat tgcttccccc aggggtngggg 480
ncaaaatgga aggaaaacaa tggccttgac agtgaccaca ccggaatcca tt 532

```

```

<210> 904
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 9
<223> n = A,T,C or G

```

```

<400> 904
ctattgtana tattgcaccc tatgacattg gtggtcctga tcaagaatth ggtgtggacg 60
ttggccctgt ttgcttttta taaaccaaac tctatctgaa atcccaacaa aaaaaattta 120
actccatatg tgttctctct gttctaactc tgtcaaccag tgcaagtgac cgacaaaatt 180
ccagttatth atttccaaaa tgtttggaaa acaagtataa tttgacaaag aaaaaatgat 240
ctttctctth tttttggctg gttccacca aataccaatt tcaaaatggc ttttttggtt 300
taatttttht tacccaattt ccaattttca aaaatggctc tcaatgggtg gctattaata 360
aaaataaaac ctttcaacca cttcttttat tggataaac ctta 404

```

```

<210> 905
<211> 327
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 189, 224, 259, 314

```

<223> n = A,T,C or G

<400> 905

```
aagaaaggaa aataaaactct ttgtatgata tttatttagga ggaaagagga ctgaaaatgt 60
tcttgtgtag aaacagaagg acagcatttc tgtagtcat ttcttggaag agtaatatat 120
taaggggaaa ttatggaaac aatctaattg ttcaattgct gtgctagtgg gtaggggtta 180
ttttctggna gtctctcctt tgtgggctgt atgtttggta cacnccgtgc cctctgcttg 240
tcccaaaggg aaggggttng tgtccaagtg tattgggaagt agtggtggaa cttaaagaac 300
ctggaaaaac ggancctccc cgggccg 327
```

<210> 906

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 339, 366, 409, 412, 442, 448, 466, 486, 500

<223> n = A,T,C or G

<400> 906

```
gtcattgatg tctttcaccc cgggaaggcg acagtgccta agacagaaat tcgggaaaaa 60
ctagccaaaa tgtacaagac cacaccggat gtcattcttg tatttggatt cagaactcat 120
tttggtggtg gcaagacaac tggctttggc atgatttatg attccctgga ttatgcaaag 180
aaaaatgaac ccaaacatag acttgcaaga catggcctgt atgagaaaga aaaaaacctc 240
aagaaagcaa cgaaagggaac cccagaacag aatgaaagaa agtcaggggg actgcaaaaag 300
gcaatgttgg tgctggcaaa aaagaaatga acctggaana ttggatcacc agcccgaag 360
gaagtnaaag gtgcttcaat gatgttagct tgtggacctt ccccgggeng gncgctcaaa 420
gggccaaatt ccaacacact tntggcgncg gttacctaat ggaatnccaa actcggtacc 480
caaacnttgg cgtaatcatn gggccata 508
```

<210> 907

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 261

<223> n = A,T,C or G

<400> 907

```
aaagtctttt ataggggttag ggtgtgggaa aatgctatat taataaatct gtagtgtttt 60
gtgtttatat gttcagaacc agagtagact ggattgaaag atggactggg totaatttat 120
catgactgat agatctggtt aagtgtgtga gtaaaacatt aggaggggtca ttcttgtcac 180
aaaagtgcc aaaaaacagc ctcaggagaa taaatgactt gcttttctaa atctcagggt 240
tgtctgggct ctatcatata nacaggcttc tgatagtttg caactgtaag cagaaaccta 300
catatagtta aaaatcctgg tctttctttg gtaaacagaa ttttacctcc ccggccgg 358
```

<210> 908

<211> 437

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 215, 218, 395, 405
 <223> n = A,T,C or G

<400> 908
 ccacggggac tgttattcgc aagctgggtt tctagacctg ttagctggaa gcatgggtgag 60
 caccatttct ggacgtcag gccgtgtcgg gcttcagtca tctccaccac acaggtacag 120
 cagcgctttc tggtagtcgc ccttagtgtc ttgctggata aacaaggcca taaataacaa 180
 aaaacaaagt aggtcccaga ctccggacca tgcancanga acaggggtgg gaagggttgt 240
 tgaatgggaa aaggtggaag ggggctacac catcacctaa aaacagtcac cagaaaaaga 300
 atgggctttc aaggaacact tgcccctttc cttgaccttc gggccgcgaa ccaccgctta 360
 aagggccgaa tttccaacca caccttggcg ggccngttaa ttagnngaatt tcccaacttc 420
 ggtacccaaa ctttggg 437

<210> 909
 <211> 720
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 300, 341, 343, 348, 437, 467, 480, 483, 488, 515, 537, 540,
 553, 562, 573, 581, 601, 614, 644, 648, 663, 706, 709
 <223> n = A,T,C or G

<400> 909
 gaaccaccac ctcccttactt acctgcctga agaaattctg cctttgacaa taaatcctat 60
 accagctttt tgtctgttta tgttacagaa tgctgcaatt cagggctctt caaacttggt 120
 tgatataaaa tatgttgtct tttgtttaag catttatttt caaacactaa ggagcttttt 180
 gacatctggt aaacgtcttt ttgttttttt gtttaagtctt ttacatttta ataagttttt 240
 gaagacaatc taggttaagc aagaagcaaa agtgccattg gttgccttta attggggggn 300
 gggaaaggga aaagaagggg taccttgccc acataagttt ncnttttnaa ctggcctttt 360
 cttttatatt aatccgtttt ggcattttgg ttaccttgct acccctgaag tacctttcaa 420
 ggaagaact ggacttnaaa tatttcggg ggggtgaagta aagtaanttg gggaattaan 480
 aancctgnac cttttcattc tggcagaagg ccaanaaaaa atattttggc aatttngnan 540
 cttgactggg ggnaaaaaaa angggtgcat ggnntcctaa nttgggataa tgggttccca 600
 ntttttggga aaanaagaat taaataaaac ttttttacct cggncconaa cacccttaag 660
 ggngaaattc cacacacttt gggggcgctc taatggaacc aacttngtnc caacttgggg 720

<210> 910
 <211> 459
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 311, 333, 353, 354, 368, 374, 375, 381, 386, 434, 435, 449,
 450
 <223> n = A,T,C or G

<400> 910
 aaaaaaaatc aattccctca tcaactgaaag gacttgtaca tttttaaaact tccagtctcc 60

```
<210> 911
<211> 216
<212> DNA
<213> Homo sapiens
```

```
<210> 912
<211> 92
<212> DNA
<213> Homo sapiens
```

```
<210> 913
<211> 109
<212> DNA
<213> Homo sapiens
```

```
<210> 914
<211> 189
<212> DNA
<213> Homo sapiens
```

```
<210> 915
<211> 244
<212> DNA
<213> Homo sapiens
```

<221> misc_feature
 <222> 1, 2
 <223> n = A,T,C or G

<400> 915
 nnctgatcgt ccttagccag tccaatctct acgaggaact ggcatatggt cttgcgttgg 60
 tcaccctgta gctgaattac ttctccatat tccggatgct caattacaag taccattgca 120
 aggcaactt tttcttaaac gccttcaacta gtttcttttt atcgtaatca tcagcgatcc 180
 cttggacagt agtaaagggc tttctgcccg ttctctgtga attcttacct cggcccgaac 240
 acgc 244

<210> 916
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 916
 ctatagggct cgagcggccg cccgggcagg tccaagcttg aggaagatgt gtggccttgc 60
 cccaattcc atcagaccaa ggctgcaagt ggccctccat tcgtgtgtgt atttaggggc 120
 tggggagggg gaaggggcaa gaacttggac cttgtactac ctcaagacct cgggccgcga 180
 acacg 185

<210> 917
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 268, 363, 383, 398, 410, 418, 433, 455
 <223> n = A,T,C or G

<400> 917
 aaataagagt agaataggcc tttattttgc cgcaaatact tttgattttg cctaaagttt 60
 ctaatagttc ataacaagag tctttaaatg agaagtgaca tagaatattt gaggataatg 120
 gtccactcca gcattcatgc ttattccatt tgagctatta cacaagaaac tcataccatt 180
 cttgggttat tacttggctg tgacgattta attcataata tggctgctca aaattagtgg 240
 gcagaaacat catacaccca ttctcctnaa cccatttttc gggctgggtac tccatctgaa 300
 aacacactta ctggtcatgt cccaacagta catatctctt tctatctatt tccatatctt 360
 aanccttgct taaaaacctc ggncgcgaac acccttangg cgaaattcan cacactgngc 420
 ggccggtctt agnggatccc aactcggtac caacntggcg taatatgggc atactggt 478

<210> 918
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 301, 329, 332, 341, 403, 415, 417, 423, 433, 436, 456, 460,
 476
 <223> n = A,T,C or G

<400> 918

```

ccagtcaggg atgaggatgg ggcccagagg tctaaagaag gcactagagg gacagggacc 60
gctttgggtc tcaccagtc aagttcacag tctgccctct tagtgtgagg aaatggggct 120
tgaggtaccc tgtttacttg gcgctgggcc aagccctcca tctcctgaga tggcctcatg 180
tggaagaag gcggaaggga aaggctggct ttgggaaata tcctatatgt cttgtcccga 240
aaggcttggt gcgggggctt ccttgcttcc aagggaatgc ttggggaacg ttgggcgggg 300
ncccttctta aatgcttcaa aaaccttong gncggcgaa nccaccgctt taaaggggcc 360
gaaatttcca aaccaccact ttggggggg ccggttacct aantgggaat tcccnancct 420
tcnggtaccc aangcntttg ggcgtaaaat tcattngggn caataaacct tgtttntt 478

```

<210> 919

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 31, 340, 342

<223> n = A,T,C or G

<400> 919

```

aaaaaaatta aagtttccat ttttttttta naataaagat ttagtgcaca aatacagccc 60
aaagccaaca gaaaaattgc tttgccctgt catttcctta agaaagcact gaagttaact 120
caaaataggg tgaaagaaaa aaagcaatcc tctgagttct aggtttcaca aaaggaccac 180
gtgttaaact atgtcatcga ttgatgtgc aagtatgcaa taaatatgta cacatacatt 240
cctatctgct ttacatcat tctaaagtat tcatagtata tcaaagaagg gatttagaaa 300
tggaagaaag ccataacagt gaaaaggaaa aaaaaagatn cnatagtttt taaacca 357

```

<210> 920

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 277, 284, 349, 396, 420, 430, 462, 494, 542, 553, 569

<223> n = A,T,C or G

<400> 920

```

aaactacctg ttaatataag ggattttag tatcagcttg ttgagcaatg actttgaatc 60
tagttttcag tgatcagaag cagcagttat ttgagtgtat gaatggaatg atgatcactg 120
tgctataatg tactgaaacc accatattac agaaatatct actacatatt ttccatctgt 180
agttttctcag aagggtctat gattaagttt gaactgtcaa atccttgcat acttctgtga 240
caccctgcc cattttctgt ctttaattaa ccaaggnggt agnggtgact gtcacaactg 300
gtatgttttc cagtaaaacta gaagtatgat atttgataat tatatttgna ttccaccacc 360
taaagttaat ggtgatttct caagaatgaa atgaangcac tacattgaaa tatggtttgn 420
ataaatttgn catggtgaac aacattttta catgggaagg tnccttacta tatgaatttt 480
ggcatggttc aaanaaacia taaataaaac ctgccccggc ggcgccaag gcgaattcca 540
cnacttgagg cgntcaatgg accactcgc cacttgggaa c 581

```

<210> 921

<211> 379

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 279, 294, 349, 363, 366, 371
 <223> n = A,T,C or G

<400> 921
 tgggcaataa agtttttgggt gccctgaagg gagctgtgga tggaggcttg totatccctc 60
 acagtaccaa acgattccct gggtatgatt ctgaaagcaa ggaatttaat gcagaagtac 120
 atcggaagca catcatgggc cagaatgttg cagattacat gcgctcttaa tgggaagaag 180
 atgaaagatg cttacaagaa acagttctct caatacataa agaacagcgt aactccagac 240
 atggaggaga tgtataagaa agctcatgct gctatccana aaattcaatc tatnaaaaga 300
 agccccagaa agaagttaaa aagaagaagt ggaaccgcgc caaatgtnc cttgcttaaa 360
 aanaangatc nggtagctt 379

<210> 922
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 126, 231, 250, 303, 332, 334, 355, 364, 366, 368, 391, 423,
 424, 439, 446, 461, 469, 473, 499
 <223> n = A,T,C or G

<400> 922
 aaacatctca catatacaaa ataggtacaa ttttaattttt ctgcttgccc aagaaacaaa 60
 gcttctgtgg aacctgggaa gaagatgaaa atgagaactgg gcaaagaaac aaatgcttga 120
 atctgnaaga aagaaggac aacttttggg caaataatct gctacccttt taattgggaa 180
 ataagaatgg gaaaatatga atgcttaatc aaatttttta aaaaatcccc nccccgatcc 240
 acttaatacn ggaatatttc ttctcaaatt ctcttaaccc catcaacatt cttcaagtat 300
 ttnaaatact attaattagc acctttgtat tntnaaccaa acaaaacaag ggccncagtt 360
 catntntntc taaggcagca cctaacaatg nggatcacac tctgggaaag tggtttgaag 420
 gannttaaac ctttgggaant ttgggntttc ctgccccggc ngccgttcna aanggcgaat 480
 tccacacact ttgcggcgnt cttatggatc cactcggacc aacttgcgaa tctgggatac 540
 tg 542

<210> 923
 <211> 483
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 176, 230, 241, 280, 282, 284, 291, 296, 297, 308, 328, 329,
 336, 353, 372, 373, 399, 406, 420, 423, 434, 436, 444, 456,
 457, 464, 474
 <223> n = A,T,C or G

<400> 923
 aaatgcaggg aaactcaatg tttttttaag ttttgttttc ccttttaaagc ctttttttag 60
 gccacattga cagtgtgtgg cggggagaag atagggaaca ctcatccctg gggcttatcc 120
 cagtgtgtgt ttaacattca cagcccaaaa ccagatgtg tcttggaaaa ctttgncaag 180
 gcattcctat tcaccatcgt gtttgcaaag gttaaaaaca aaccaaaaan ccccaaaatt 240


```
<210> 924
<211> 379
<212> DNA
<213> Homo sapiens
```

```
<400> 924
cctgaggggag atcagttggc aacccaagta gaagggggccc atgctgctct tctggaacaa 60
gggtctgagc aggtgctgaa ggacccccctc ggtggagttt gaaatgtagc tgagcccttg 120
cccatatctg gtgaaatact ggaagaattg gaagaatggg tgaattttga agtgatgaagg 180
ggtctttcaa gggtggggcc cccatgggct gnttgtggct ttttgacana agaaggcaag 240
aaatgntggg ngnttgcttt ggaagttgna agaagggtta tnttgaccag gtcatttgna 300
accngtaaag gaaaagcttn cnttntccaa aaagnagggg ccaaaacttn cccggcggcc 360
cttcgaaaag qcgaattcc                                     379
```

```
<210> 925
<211> 511
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 270, 291, 294, 296, 324, 329, 395, 402, 424, 428, 442, 446,
456, 482, 483, 495
<223> n = A,T,C or G
```

<400> 925						
gtggcgcgcaa	agaagacgaa	aaagtcgctg	gagtcgatca	actctagget	ccaaactcggt	60
atgaaaagtgtg	ggaagtacgt	cctgggggtac	aagcagactc	tgaagatgat	cagacaaggc	120
aaagcgaaaa	ttgggtcattc	tcgtacaac	tgcccagctt	ttaggaaatc	tgaaatagag	180
tactatgcta	tggttgctta	aactgggtgc	catctacag	tggaattat	attgaactgg	240
gcacagcatg	cggaaaatac	tacaaaatgn	gcacactggc	tatcattgat	ncangngact	300
ctgacatcat	tagaagcatg	ccanaacana	ctggtgaaaa	gtaaaccttt	tcacctacca	360
aatttcctctg	caaaccttaa	acctgcaaaa	ttttncctta	tnaaatttgc	ttgtttacct	420
gccnggcngg	cgtcgaaagg	cnattncaca	cacttngcgg	cgtacttatg	gatccagctc	480
gnnccaactt	ggcgnaatat	gggcatactg	g			511

```
<210> 926
<211> 361
<212> DNA
<213> Homo sapiens
```

<221> misc_feature
 <222> 265, 281, 306, 318, 326, 333, 342, 354
 <223> n = A,T,C or G

<400> 926
 ctgtggggct cggccccaac cccggcccca ccccggcctg gcgctgtctg agaagagggg 60
 atctgagggg agatccaggg atcaggcagg ataggggatg ggcaggacat gaagcttggg 120
 ggatgcagaa ggtaggttg gaagaaggct acccggaagg aaagaaatga aggcttggtg 180
 gggggagggg aagaaaagaa gaaccaaaga agaagaagaa ggaagcaatt tggggggcca 240
 gaccttgccc gggcgggcgg cttcnaaaag gccaatcca ncacacttg cgggccgtta 300
 cttatngaag ccaacttngt acccancttg gcnatcatt gncatagctg tttnccttggg 360
 a 361

<210> 927
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 158, 310, 320, 331, 335, 357, 366, 369, 405, 410, 425, 436
 <223> n = A,T,C or G

<400> 927
 aaactacctc aaaacacttt cccatgagtg tgatccacat tgtaggtgc tgacctagac 60
 agagatgaac tgaggctcct gttttgtttt gttcataata caaagggtgc aattaatagt 120
 atttcagata cttgaagaat gttgatgggt ctagaaaanaa tttgagaaag aaaatactcc 180
 tggattgagt tgtatcgtag ggggtatttt tttaaaaaaa tttgaattaa cattcatatt 240
 tttccattct tatttccaaa ttaaaagtat tgccagaata ttttggccaa aagttgggcc 300
 tcttctttan aatcaagcan ttggtctttg ncaanctcat tttcatcttc tttcatnggt 360
 ccacanaanc tttgtttctt gggcaaagca gaaaaattaa attgnacctn ttttgatata 420
 ttganaaggt taaatnaatt gggaaaaaaa tgaaataaag catggttggg ttttccaagg 480
 aaaaaa 486

<210> 928
 <211> 441
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 273, 305, 371, 391, 404, 414, 422, 428
 <223> n = A,T,C or G

<400> 928
 cccagcttct cgagaggctg aggcaggaga atggtgtgaa cctgggaggc ggaacttgca 60
 gtgagccaag atcgcgccct gcaactccagc ctgggtgaca aagcaagact ccgtctcaaa 120
 agaaaaaaaa gaaaatatat gtaattaaat gaaaatgaaa acacagtata tcaaaatttg 180
 tggggatcca gcttaatcca gtggttttaa aaggaaactt cagcttttaa aagaaaagg 240
 cttaaaatca agtggaaacct taccatttct tgncccttat taagaaaagg aagaaaatct 300
 taaantttgg aaagaagaaa atttatttaa aggaagcctt aaaaggttaa attggaagaa 360
 ttggaaaaaa nccaaggggc cccgggggttg naaagggttg ggcnttcaac cttnccttgg 420
 tnaaattncc cccaaccaac c 441

<210> 929
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15, 169, 180, 183, 190, 286, 302, 367, 377, 380, 399, 411,
 425, 428, 446, 447, 458, 461, 462, 471
 <223> n = A,T,C or G

<400> 929
 cagggtttgg gtacnattcc gggtcattcc cagaaattcc tcatagatgg caactcttgt 60
 ctactctccg agccagtggc gagaagttac acagggagtc caccocgggtg tgggtgcctgt 120
 tggggacaga cctgaatggt gaaacttgac agtcagaaaa ataactctng atgctgctgn 180
 ttnggaagan ttggttgagc ccattcctcaa tattcctttt gttcctctgg taattgggtgg 240
 tgcttggtcg ggctttgtcc tgggaatatg gtaggttggg gatggngaaa ttcattgtaaa 300
 antgctgggt gctggaactg cttgttggtt gataaactga tgactccatt tctgcacatg 360
 gatgccncca actggtnngn ggagcccacc aatgacctng gccgggaccc nctaaggggcg 420
 aattncanac actggggggc gtctanngga tccaactnng nncaacttgg ngaatatggg 480

<210> 930
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 930
 aaaagggggg gggctagctt gaaacaagct tacagtggcg tgaagcatag tggcgtgaaa 60
 gcaaggatac agaggcagca caaaggcaat taattcatca aattgtggca ggtgcataat 120
 tcaggattac atactgtgtc ggaattgatg ggttcttggg ctactgact tcaagaaaaga 180
 agcacctgcc cggg 194

<210> 931
 <211> 218
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 211
 <223> n = A,T,C or G

<400> 931
 cgaggtccac agtccctctt tgcgtgtgat gacatcgtec tcaaaccact cggcctgatt 60
 ggaaaccag aacatagcca cagggaagt gagggaaaat tatcatccga atatctccag 120
 ttaccocat ctacctgcc ggcgccgctc gaaggcaatt cacacacttg cggcgtctat 180
 gatcgactcg acaacttgct atatgtact nttctgga 218

<210> 932
 <211> 107
 <212> DNA
 <213> Homo sapiens

```
<400> 932
aaaaattagt ctgtactcaa atgcatagtt aaaaaatgaa gcgagatggc agtttgtgca 60
gtaatatctg cccttcgaag ttcatgcaac caactaatgc aattttt 107
```

```
<210> 933
<211> 340
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 235, 242, 259, 279, 297, 302, 310, 315, 324
<223> n = A,T,C or G
```

```
<400> 933
ctgcagccca tcttcccggc tccctcctag tctgtcctgc gtcctctgtc cccgggtttc 60
agagacaact tcccaaagca caaagcagtt tttccccta ggggtgggag gaagcaaaag 120
actctgtacc tattttgtat gtgtataata atttgagatg ttttaattat tttgattgct 180
ggaataaagc atgtggaaat gaccgaaaa aaaaaacctt ccccgggcgg gccgntcaaa 240
angggcaaat tccaacacnc ttggcggcgg gttactaang ggatcccaac tcgggancca 300
antttggggn aaaanattgg gcanaacttg tttcccttg 340
```

```
<210> 934
<211> 148
<212> DNA
<213> Homo sapiens
```

```
<400> 934
tatttgccca aagttgtcct cttcttcaga ttcagcattt gttctttgcc agtctcattt 60
tcattctctt ccatggttcc acagaagctt tgtttcttgg gcaagcagaa aaattaaatt 120
gtacctattt tgtatatgtg agatgttt 148
```

```
<210> 935
<211> 646
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 404, 480, 530, 531, 534, 580, 589, 594, 597, 602, 606, 609,
615, 620, 621, 628, 633, 638
<223> n = A,T,C or G
```

```
<400> 935
aaaaggcttc ttgtgattaa aagagaaaat tctgaaaacc acagcaacat atctatgctg 60
tttccaagca tacaaagaga attagaacat ctgagacaac tatggctcca aacaatcaga 120
agaagggtta gttttctttt ctctatttga taatgtcaaa atgatgtgtc atctattgag 180
ccatactatg gagtagcagg ctactagtta gatgccttcc ccagttaaca gcacatatcc 240
aaaggacagc tagccaagtg ggaagggtgg aggtaaatgc tcattctggc taggcaacca 300
ccacagcaag caggtccctt ctcagccttg cttggcaatg agctgcttct gagaagccac 360
agctatctgt ggttgagagc tcactccctt gaggcattgc aganaacaag agacatgggc 420
tgtggggcag cttttcaata aaactgagag gcacatcaac atggcacttg tatgtgtccn 480
cttaaggatt atgataaaca tgccaatttc caaaaggtaa attattaaan naanatttgg 540
gaccttgccc cgggcggggc cgtaagggc gaaattccan cacccttgng ggngtncctt 600
```

antggnatnc caacntcggg nccaaacntt ggnggaanca tgggca

646

<210> 936

<211> 152

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 27, 61, 95, 98, 142

<223> n = A,T,C or G

<400> 936

ctgattttat ttcctttctca aaaaagntat ttacagaagg tatatatcaa caatctgaca 60
ngcagtgaac ttgacatgat tagctggcat gatttntnct ttttttcccc caaacattgt 120
ttttgtggcc ttgaatttta anacaaatat tc 152

<210> 937

<211> 393

<212> DNA

<213> Homo sapiens

<400> 937

aaaaaaaaactt tatataacaa tctgcataaa tctcataact gggagcacta taccaggag 60
gttttctttac cagaaaagtt catatcctct ttgcaatttt cttttaattc tacaggaaag 120
aggaaattat ggttgggatg gatgaaaaag gaccacatac tgggtccagga ggtaaagtat 180
cttatttttg ccaactgtttg ggcattctgtg tgccccattt ttatttggaa gatctaaatt 240
aattttgttg ctcaaaaatc aacctttaca atcttacaca ttacacctt tcaagatagt 300
gcctgagcct agagggaaga tgcttatata gtttttagcag tggagcatta gcattgaaaa 360
tagatcgggc ccagtgggat tctgaatagt ttt 393

<210> 938

<211> 439

<212> DNA

<213> Homo sapiens

<400> 938

aaaacttggc tgggattctc aacatatctt atcaataata catgtatata atccaaaagg 60
tgcagtggct tcttcattct gttccagaat ggatccgtg atttgaacaa ctgatcataa 120
acttctagta gtctaggtaa tggtagtcca atttcattca ttgtctgtat tacgaagccc 180
acatcccagt tcaaagtaca aacctgctgt tctaaaaact gtacaataaa atctaaagga 240
aagaagcgtg gtgtgccagc ataaattttg ccaaggagaa caatcttgag actaagagca 300
tgcattctat ccgaggagct caatgtcaca ctgtcactca attctttctc tatgatattc 360
tgccaaagtg tctgcaccaa tatagggtct gaataacccg gcacaatgaa ttattgcaag 420
tttgactct tgcaagttt 439

<210> 939

<211> 568

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 409, 467, 479, 483, 497, 514, 519, 537, 538, 556, 557

313

<223> n = A,T,C or G

<400> 939

```
ctggaacagt atatgaagac ctgaggtata agctctcgct agagttcccc agtggctacc 60
cttacaatgc gcccacagtg aagttcctca cgccctgcta tcacccaac gtggacaccc 120
agggtaacat atgcctggac atcctgaagg aaaagtgggc tgccctgtat gatgtcagga 180
ccattctgct ctacatccag agccttctag gagaacccaa cattgatagt cccttgaaca 240
cacatgctgc cgagctctgg aaaaacccca cagcttttaa gaagtacctg caagaaacct 300
actcaaagca ggtcaccagc caggagccct gaccagcgt gccagcctgt ccttgtgtcg 360
tctttttaat ttttcttaga tggtgtgctt ttttgtgatt tctggatang gactctttat 420
cttgagctgg gggatttttg gtttggtttt gctttttacc ttgccnnggc ggccgttcna 480
aangggcgaa attccanac acttgcgggc ggtactant ggaatccaa cttcggnncc 540
caaaacttggg cgtaannatt gggcataa 568
```

<210> 940

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 360

<223> n = A,T,C or G

<400> 940

```
gcgaggagat cgccattatc cccagcaaaa agctccgcaa caagatagca ggttatgtca 60
cgcctctgat gaagcgaatt cagagaggcc cagtaagagg tatctccatc aagctgcagg 120
aggaggagag agaaaaggaga gacaattatg ttccctgagg ctcagccttg gatcaggaga 180
ttattgaagt agatcctgac actaaggaaa tgctgaagct tttggacttc ggcagtctgt 240
ccaaccttca ggtcactcag cctacagttg ggatgaattt caaaacgcct cggggacctg 300
tttgaatttt ttctgtagtg ctgtattatt ttcaataaat ctgggacaac agcaaaaaan 360
aaaaaaaaa a 371
```

<210> 941

<211> 174

<212> DNA

<213> Homo sapiens

<400> 941

```
aatggcggag ctgggcgaag ccgatgaagc ggagttgcag cgcttgggtg ccgccgagca 60
gcagaaggcg cagtttactg cacaggtgca tcaattcatg gagttatgtt gggataaatg 120
tgtggagaag ccagggaatc gcctagactc tcgcactgaa aattgtctct ccag 174
```

<210> 942

<211> 256

<212> DNA

<213> Homo sapiens

<400> 942

```
ctttgtggac attggcccag tctgtttcaa ataaatgaac tcaatctaaa ttaaaaaaga 60
gagaaatttg aaaaaacttt ctctttgcc a tttcttcttc ttctttttta actgaaagct 120
gaatccttcc atttcttctg cacatctact tgcttaaatt gtgggcaaaa gagaaaaaga 180
aggattgac agagcattgt gcaatacagt ttcattaaact ccttcccccg ctcccccaaa 240
aatttgaatt tttttt 256
```

<210> 943
 <211> 628
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 443, 507, 514, 549, 552, 553, 599
 <223> n = A,T,C or G

<400> 943
 ctgtgtgtgc atagtaaagc aggagatccc cgctcagttta tgcctctttt gcagttgcaa 60
 actgtggctg gtgagtggca gtctaatact acagttaggg gagatgccat tcactctctg 120
 caagaggagt attgaaaact ggtggactgt cagctttatt tagctcacct agtgttttca 180
 agaaaattga gccaccgtct aagaaatcaa gaggtttcac attaaaatta gaatttctgg 240
 cctctctcga tcggtcagaa tgtgtggcaa ttctgatctg cattttcaga agaggacaat 300
 caattgaaac taagtagggg tttcttcttt tggcaagact tgtactctct cacctggcct 360
 gtttcattta tttgtattat ctgcctggtc cctgaggcgt ctgggtctct cctctccctt 420
 gcaggtttgg gtttgaagct gangaactac aaagtgatga tttctttttt atctttatgc 480
 ctgcaatttt acctagctcc actaggngga tagnaaaatt atcttatgtt ccctcaaaaa 540
 aaactcggnc gnnaccccct aagggcgaat ccacccttg cggccgtata tggatccanc 600
 tcggaccaac ttgggaatat ggcataac 628

<210> 944
 <211> 516
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 444, 473, 494, 500
 <223> n = A,T,C or G

<400> 944
 ccataatggt ttgttggggg tgagggaaaa aaccacaggg gaccagaatg ttttgttgtt 60
 cttttgtttt cttttttgta ccaaagtcaa ctgcacgtgt tttatatatt taagagatcg 120
 taggcaatta gagatcgaag cctcctatct ccacatctct gaagaagttg aggggtgggg 180
 gagagaatga cttctgcctt catctgcagt aacgggggga cctatactga cctcttcccc 240
 agccatttag aaacaagttc tagggtgggt tggaaaatct ccaagagccc tgacctcatc 300
 ttccacctca gcaaccatga cctgaaacct cagcgtgaat ttgggggatt tttcagtgga 360
 acccttgccc ccaaagtgcg accagcccc aaatgtcgaa gaattttctt cttgccaatt 420
 ttgttggtta cctgcccggg cggncgctcg aagggcgaat tccagcacac ttngcggccg 480
 tctagtggat ccantcgtg ccaacttggc gtatct 516

<210> 945
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 945
 ctgctacttg aaccctaata cctgggtgga tgtggtctct tgtaacttaa gagcaaatgt 60
 ttgtgatgac atgcacgggt gggcagaggt tgaagaagaac aggggtctac ggaggagcca 120
 ggccagccac gtgagaccct tctttctaag ttggcttctt gtccattcct ggggattggg 180

```

gaaagaacga cagaacttac cttccatctt ctttctcaca agcagtgttt tgggtgtccc 240
caaaaggagg aggcaagaac tcaggtgtgg ggtggagggg atggggctgg ctaaagaagt 300
gagtatgacc ccagaggcca gagagggcag ggagagaatg cctgg 345

```

```

<210> 946
<211> 553
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 498, 528
<223> n = A,T,C or G

```

```

<400> 946
tggaatgta aagaaggccc tgaagctgat ggggtcaaat gaaggtgaat tcaaggctga 60
aggaaatagc aaattcacct acacagttct ggaggatggt tgcacgaaac acactgggga 120
atggagcaaa acagtctttg aatatcgaac acgcaaggct gtgagactac ctattgtaga 180
tattgcaccc tatgacattg gtggtcctga tcaagaattt ggtgtggacg ttggccctgt 240
ttgcttttta taaaccaaac tctatctgaa atcccaacaa aaaaaattta actccatatt 300
tgttctcttt gttctaattt tgtcaaccag tgcaagtac cgacaaaatt ccagttattt 360
atttccaaaa tgtttggaaa cagtataatt tgacaaagaa aaatgatact tctctttttt 420
tgctgttccc caaatacaat tcaaattgctt tttgttttat ttttttacct aattccaatt 480
tcaaaaagtc tcaatggngc tataataaat aacttcaacc tctttatnca aaaaaaaaaa 540
aaaaaaaaaa acc 553

```

```

<210> 947
<211> 635
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 494, 514, 526, 536, 545, 553, 555, 562, 591, 605, 623, 627,
628
<223> n = A,T,C or G

```

```

<400> 947
ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttctct tggtaattgg tgggtgcctgg 240
ctgggctttg tcctgggaat atggtagggt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccaccaatgg aatgaggcat tcaggtgctt atctagaaag 420
acttgctcca ccaggctggg gtccaaaattg gaggagaaca atgccttgac agtgaccaac 480
accggagtcc atcttcaatt tggtgaccag gcanaaaccg gaatgnggca ttgtantttg 540
actgnccttg tanantgggg gngaacacct tcggcccgca accaccctta nggggaaatt 600
tccanccctt tggggggcgg tttnctannng gatcc 635

```

```

<210> 948
<211> 271
<212> DNA
<213> Homo sapiens

```


<400> 948
gaagattccc gagagtaaat catctttcca atccagagga acaagcatgt ctctctgcc 60
agatccatct aaactggagt gatgttagca gaccagctt agagtcttc tttctttctt 120
aagccctttg ctctggagga agttctccag cttcagctca actcacagct tctccaagca 180
tcaccctggg agtttcctga gggttttctc ataaatgagg gctgcacatt gcctgttctg 240
cttcgaagta ttcaataccg ctcagtattt t 271

<210> 949
<211> 158
<212> DNA
<213> Homo sapiens

<400> 949
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag aggggtgaaa gtgagcagcg ggctgggctg gagccgcaca cgctctctc 120
ccatgttaaa tagcaccttt agaaaaattc acaagtcc 158

<210> 950
<211> 89
<212> DNA
<213> Homo sapiens

<400> 950
ctgaacagag aaaggaatta aaacgcttta attaaaaaat cacgagtgga tgataaagtg 60
tgtagaaact gaaaattttac aaactattt 89

<210> 951
<211> 146
<212> DNA
<213> Homo sapiens

<400> 951
ctgggggccc tcaccctgca tcgtcttgcg tctcttgcca ggcacaccac tgaggtaggc 60
atactcaga gggggctgcg gtttcacctt ccgctggctc tgaatgtcct gctggataat 120
agggacccat tctgggggga ctgcag 146

<210> 952
<211> 223
<212> DNA
<213> Homo sapiens

<400> 952
ctgatcgtcc ttagccagtc caatctctac gaggaactgg catatgttct tgcgttggtc 60
accctgtagc tgaattactt ctccatattc cggatgctca attacagtac cattgcaggc 120
aaactttttc ttaaagcct tcactagttt ctttttatcg taatcatcag cgatcccttg 180
gacagtagta aggtcttcc tgccgtttct ctgttggaatt ctt 223

<210> 953
<211> 451
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> 416

<223> n = A,T,C or G

<400> 953

```
ctgaacagcc aaatgcatgg tgcagttgac agcaggtggg aaatggtatg agctgagggg 60
ggcgtgccc aggggcccac aggaaccct gcttgcaact tgtaacatgt ttacttttca 120
gggcatctta gcttctatta tagccacatc cttttgaaac aagataactg agaattttaa 180
aataagaaaa tacatgagac cataacagcc aacaggtggc aggaccagga ctatagccca 240
ggtcctctga taccagagc attacgtgag ccaggtaatg agggactgga accagggaga 300
ccgagcgctt tctggaaaag aggagtttct aggtagagtt tgaaggaggt gagggatgtg 360
aattgcctgc agagagaacc ttgttttgtt ggaaggtttg gtgtgtggag atgcanaagt 420
aaaagtgtga gcagtgaatt cagcgagagg c 451
```

<210> 954

<211> 322

<212> DNA

<213> Homo sapiens

<400> 954

```
aaattgcatt cttttcaaatt ttataagtct aagaaaacaa aaccaaataa aagaagccat 60
ttcaaggagt gcgtatttgc catttgactg caacaaaagg cccggccaca ctgagctaaa 120
aggttaatact ctgcacccca ttcttctaac acagaaaact ttctcaggta aactgtgggg 180
ttatgagaat cccctaact agaaatgttg atgggaactg agcattgctt gctttcatca 240
ggtgttcttg ttgccaaaga catgaacgat actgaggaaa acgacaagag tgagcattcc 300
cgccagtaaa tottcaaggg tg 322
```

<210> 955

<211> 226

<212> DNA

<213> Homo sapiens

<400> 955

```
ccactgcctc tgcagtatca aagagaatta gtctttccac aaaacaaatt ttaacagcca 60
atctctggat ttctgtagtg gcttttagtca ggcataattt tcatcatatt agcagtgttc 120
agttcctggc caacatcttt atttaatccc aattcagtgc ttatggatgc tcagctcatg 180
tttaatgttg caagcccccatt cttagcccat cttaattcaa acagaa 226
```

<210> 956

<211> 232

<212> DNA

<213> Homo sapiens

<400> 956

```
gatgatgtgg ctttgaagaa ctttgccaaa tactttcttc accaatctca tgaggagagg 60
gaacatgctg agaaactgat gaagctgcag aaccaacgag gtggccgaat cttccttcag 120
gatatcaaga aactagactg tgatgactgg gagagcgggc tgaatgcaat ggagtgtgca 180
ttacatttgg aaaaaaatgt gaatcagtca ctactggaac tgcacaaact gg 232
```

<210> 957

<211> 247

<212> DNA

<213> Homo sapiens

```
<210> 958
<211> 400
<212> DNA
<213> Homo sapiens
```

```
<210> 959
<211> 632
<212> DNA
<213> Homo sapiens
```

<400>	959						
gagcgccgct	ccggetgcac	cgcgctcgct	ccgagtttca	ggctcgctgt	aagctagcgc	60	
cgtcgctgtc	tcccttcagt	cgccatcatg	attatctacc	gggacctcat	cagccacgat	120	
gagatgttct	ccgacatcta	caagatccgg	gagatcgcg	acgggttggtg	cctggagggtg	180	
gaggggaaga	tggtcagtag	gacagaaggt	aacattgatg	actcgctcat	tggtggaaat	240	
gcctccgctg	aaggccccga	gggcgaaggt	accgaaagca	cagtaatcac	tggtgtcgat	300	
attgtcatga	accatcacct	gcaggaaaca	agtttcacaa	aagaagccta	caagaagtag	360	
atcaaagatt	acatgaaatc	aatcaaaggg	aaacttgaag	aacagagacc	agaaagagta	420	
aaaccttttt	atgacagggg	ctgcagaaca	aatcaagcac	atccttgcta	atttcaaaaa	480	
ctaccagttc	tttatcttgg	gaaaaacatg	aatccagatg	ggnttggttg	ctctattgga	540	
ctaccctgan	gatggngtga	ccccatatat	taattttctt	anggatgggt	taaaaatggg	600	
aaaatgttan	caaatgnqgn	aattattttg	gg			632	

<400>	960						
cgctcagacc	ctgtcttccc	taccactggg	tacagatgga	tgcggcgaag	tcaagagaac	60	
caatggcaga	aggaggagtg	tagagcttac	atgcagatgc	tgaggaagtt	gttcacagca	120	
atccgtgccc	tgttctctgc	tgtctgtgtc	ttgaaggtca	tgtgtgctt	ggtttccttg	180	
qgagtaggtc	ttcgaacctt	gtgtgg				206	

<210> 961
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 961
 ctgccaaagga gaccctgtta tgctgtggg actggctggg gcatggcagg cggtctctggc 60
 ttcccaccct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
 atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
 agcatgatct tcaccttgat gccc 204

<210> 962
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 962
 aaatgaagtg attctaagat ttggtttggg atcaatagga aagcatatgc agccaaccaa 60
 gatgcaaatg ttttgaaatg atatgaccaa aattttaagt aggaaagtca cccaaacact 120
 tctgctttca cttaagtgtc tggcccgcaa tactgtagga acaagcatga tcttggttact 180
 gtgatatttt 190

<210> 963
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 387, 452, 458, 473
 <223> n = A,T,C or G

<400> 963
 aaagttaact ggataactaa agaaatgatg cagacatttt aatccagtgc tataggtagg 60
 ctcacagaat tagacccaaa ggatttgtaa aaacaaaaat ggaaacagta tagctacaat 120
 gtcaaagtca ggaaagaaga aaatttactt ccgtattcaa ggattacaga gctacaaatg 180
 cagtctgtgt gtttttgttt gtaatgagat ggataagtac atcagactag atacaacatg 240
 cagaatgttt tcctgaactt atccggaaat tccaaagaaa acatcatgaa acagcttaca 300
 aaaaaaaaaa tatatgccct agttattcac cctgcttcaa cactgtcaac gtaaaggcag 360
 aaataaagca agctatcaat acctcanaac tactgatata agacatcaaa tttctaaatc 420
 agtgtattaa aaaagtgaac acttcctctt tntttttntt ctacattaac tanaacatgt 480
 tacctcggcc gcacc 495

<210> 964
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 355, 363, 378, 394, 409, 412, 429, 447, 451, 454
 <223> n = A,T,C or G

```

<400> 964
ctgggtgaca aagtgtctac agttcctgct cacaatactg tacttcatct tctgaccaac 60
catctccttc gcagaactga tgatcacctc cacggggccgt gggttggtact catgggtccaa 120
gctgttggtg acccgatagc aacagcctcc caccacatct tccaggcgct cccgtttcac 180
ctctgcactg ttgctcagga ctgagaagac actggaggag ccagccccgg ggtactcaact 240
tggaggagcc agatggatca cgtagccatc tcctatatac agggcccagt gctcatagcc 300
aaggcggaaa atctcaatca ggtctccagg tttgggctct tgggtgtggc gaaanccatc 360
tcnaaaccca aaccttgncg gggcggggcg ttcnaaaagg gcgaaattnc ancacacttg 420
gcggggccgnt acttaattgg gatcccnagc ntnnggtacc aacctttggg cg 472

```

<210> 965

<211> 622

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 435, 466, 486, 512, 529, 536, 555, 573, 584, 589, 600, 606

<223> n = A,T,C or G

```

<400> 965
ctgggtacca ttccgggtca tcgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttctc ttgtaattgg tgggtgcctg 240
ctgggctttg tcctgggaat atggtagggt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg gaatgaggca ttcagggtct tatctagaaa 420
gacttgctcc accangcttg gggtcctaat tggaggagaa caatgncttg acaagtgacc 480
aacacngagt ccatcgtaaa gttggtgacc angcagaagc ggaatgggna tggagntgac 540
tgcttttag aatgngggac cttgcctgga tgnccctaca gggngatgnc tttgaagatn 600
gggggntgaa tactgaggtc ca 622

```

<210> 966

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 13, 14, 27, 37, 39, 54, 56, 69, 73, 87, 88, 103, 104,
105, 172, 174, 190, 191, 192, 201, 222, 229, 246, 250

<223> n = A,T,C or G

```

<400> 966
tggtcacnct aannaccaca ggtgttnca cgtgtganana gggtcatatg caantntgct 60
gatgaatant gancaattat tgaaccnnta acatitttatt gcnnnctggg tggaatctca 120
caattagaga ttatttcccc ttttcttgga tatggcattg ctggtggtgc ancnatggag 180
agggtttcan nncccactgg ntcaaaaagt aggggggcaaa angaacctna atgtgtgtgt 240
gtgtgngtgn gtctg 255

```

<210> 967

<211> 337

<212> DNA

<213> Homo sapiens

<400> 967

```
ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagg ctgggcagaa 60
aggagcagga ctggggacag acgactgaag atgcagagac cccatgggcc ccacccctgg 120
gccttcctcc catgtggctg caggccatcc tctctgatca ctgctgggtt gcttcctggt 180
taaagggcc aaggtgaag gagatgggct ttccaggcat cagaatgagg ttgaatgtgg 240
tgccacatc gctgaggtgt tggatttcaa ctctgaagtt ctccagcata ttgatgagga 300
agatggtcac ctctagctca gcgatccgcc gtcccag 337
```

<210> 968

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 11

<223> n = A,T,C or G

<400> 968

```
ctgaaagatt nactgcctga acatctgaaa ttgacaactc tgggacatct ggagaaagct 60
gtagtcttgg aattaacttt gaaacactta aaagctttaa ccgccttaac cgagcaacag 120
catcagaaga taattgcttt acagaatggg gagcgatctc tgaaatcgcc cattcagtc 180
gacttggatg cgttccactc gggatttcaa acatgcgcca aagaagtctt gcaatacctc 240
tcccggtttg agagctggac acccagggag ccgcggtgtg tccag 285
```

<210> 969

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 418, 421, 441, 464, 481, 487, 499, 510, 512, 517

<223> n = A,T,C or G

<400> 969

```
atggctttta aggataccgg aaaaacaccc gtggagccgg aggtggcaat tcaccgaatt 60
cgaatcacc ctaacaagccg caacgtaaaa tccttggaag aggtgtgtgc tgacttgata 120
agaggcgcaa aagaaaagaa tctcaaagtg aaaggaccag ttcgaatgcc taccaagact 180
ttgagaatca ctacaagaaa aactccttgt ggtgaagggt ctaagacgtg ggatcgtttc 240
cagatgagaa ttcacaagcg actcattgac ttgcacagtc cttctgagat tggttaagcag 300
attacttcca tcagtattga gctaggagtt gaggtggaag tcaccattgc agatgcttaa 360
gtcaactatt ttaataaatt gatgaccagt tggttaaaaa aaaaaaaaaa aaaacttnc 420
nggggggccc ttcaaagggg naatttcccc ccaattgggg gccnttttta gggaatccga 480
nctgggncca accttgggna aataatggcn anactgnttc 520
```

<210> 970

<211> 162

<212> DNA

<213> Homo sapiens

<400> 970

```

aaattttttca ttttattcaa agtttggtaca gaattgctaa catttccata aaataattac 60
tatactttcag ttacaggaca aaataaccaca gaaaggaatg tactttgcaa gaaatgtagt 120
tcattcttaag tttccaaata cttttgaagg ctaatgcagc ag 162

```

```

<210> 971
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<400> 971
aaaaagtatt ctagcacaag atttttctgt aaactagatt atgttgtaaa cttttttcta 60
aatctttagtag gagtgtcggg tggttaagaac tagagcttat tcctattcca aatctatctt 120
gcgctcctga aaagctgcag aaaggcactt gaaagctgtt tctttaagat atggatttct 180
tttttattct tgctggtaat atattgctgc actgagtgtg tgcaattttt attcaaggtc 240
atcgtgatgc tgag 254

```

```

<210> 972
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 290, 291
<223> n = A,T,C or G

```

```

<400> 972
tggcagcctc agctctgtgc ccctcacccct gctccctctc gccctttctc tcccaccct 60
tccttctgag cggggccctg gggattgggg agccctcttg ttctgatga gggtcagggc 120
agatgaaagt gttgaaaaga ggtcaaattg aaacaaaggc tcttaccgcg tgtatttcag 180
acaggactga ggcacttagc cgaggagcca ctgggttatt agattaattt caaaagagct 240
tttacaagtt gcttaattcc tttttttttt tttttttttt aaaaaccccn naacccc 297

```

```

<210> 973
<211> 270
<212> DNA
<213> Homo sapiens

```

```

<400> 973
agctgatcca gaaggagctc accattggct cgaagctgca ggatgctgaa attgcaaggc 60
tgatggaaga cttggaccgg aacaaggacc aggaggtgaa cttccaggag tatgtcacct 120
tcttgggggc cttggctttg atctacaatg aagccctcaa gggctgaaaa taaatagggg 180
agatggagac accctctggg ggtcctctct gagtcaaatc cagtgggtggg taattgtaca 240
ataaattttt tttggtcaaa ttcaaaaaaa 270

```

```

<210> 974
<211> 712
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 383, 494, 521, 529, 530, 566, 591, 651, 667, 679, 680, 688,
699, 711, 712

```

<223> n = A,T,C or G

<400> 974

```

aaactcacat aggtaggtat ctttatagtt gtagactatg gaatgtcagt gttcagccaa 60
acagtatgat ggaacagtga aagtcaattc agtgatggca acactgaagg aacagttacc 120
ctgctttgcc tcgaaaatgt catcaatttg taattttagt attaaactctg taaaagtgtc 180
tgtaggtacg ttttatatta tataaggaca gaccaaaaat caacctatca aagcttcaaa 240
aactttggga aaggggtggga ttaagtacaa gcacatttgg cttacagtaa atgaactgat 300
ttttattaac tgcttttgcc catataaaaat gctgatattt actggaaacc tagccagctt 360
cacgattatg actaaagtac canattataa tgccagaata taatgtgcag gcaatcgtgg 420
gatgtctctg acaaagtgtg tctcaaaaaa taatatactt ttacattaaa gaaaatttaa 480
tggttctctg gagntggggc tcttggtctt cagagtttgg ntaatcaann gttgattcta 540
gatgataacc ttaaattggac cactontgaa tgagacttaa ttttggtctt naaaattact 600
ggcttaaatc agttttattaa atctgaattt accttgcccg ggggcccttc naaggggaat 660
tccccnctt gcggccgtnn aatggatncc actcggcna acttgggggt nn 712

```

<210> 975

<211> 266

<212> DNA

<213> Homo sapiens

<400> 975

```

aaatttgacc aaaaaaaatt tattgtacaa ttaccaccca ctggatttga ctgagagagg 60
acccccagag ggtgtctcca tcttcctat ttattttcag cccttgaggg cttcattgta 120
gatcaaagcc aaggcccccga ggaaggtgac atactcctgg aagttcacct cctggtcctt 180
gttccggtcc aagtcttcca tcagccttgc aatttcagca tcttgagct tcgagccaat 240
ggtgagctcc ttctggatca gctcct 266

```

<210> 976

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 322, 452, 484, 488, 530, 535, 539, 576, 578, 590, 593, 605

<223> n = A,T,C or G

<400> 976

```

aaaattaaaa ttaaatcccc tccctccagc acacacaaaa aaaacacaca acattagagg 60
aatgccaaaa atatttctcta ttacaacttt tttaaattct ttaattaagg cattgggtccc 120
aacggtgcac atagattaag ggattttgct tcttctgaa ctagatcatt tgtagaggc 180
ttcagaaaaa gaaaattagc ttgaaatcta gtctgggaaa ttgggggcag ggaatgaaaa 240
agttgggtctc ttgtttctcc acgatacaca ggcttcccat cttaaagtcac gcttaactaa 300
aagggaaaaa aaatgaacca ancaaaagta tatagagtag cctgacatt tgcattattt 360
tctagacttt acatttgcct gcaacaggca taacatgaaa ctccagaggg aatttggatt 420
gatagggaat gttcacataa acacccacca gnggctaact gttacacaac atttcaagta 480
ttcnaaanaa ctgcctggag acaaaaagcg aaggggtccc agaccattt cccntcng 540
ttaggtcatg caccaggatg gtcccttccc aggtcnantg gaaatcaaan gntgaaatg 600
gatcnggggc aggggaaacc tcggccc 627

```

<210> 977

<211> 390

<212> DNA


```
<400> 977
ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacagggg gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataaact ttgatgctgc tgtttcgga 180
gagttggttg agcgatcct caatatctct tttgttctc tggtaatgg tggtgctgg 240
ctgggctttg tctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgtg 300
ggtgctggag ctgcttggtt gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactg taggtggagc ccagccaatg                                     390
```

```
<400> 978
ctccaggcgc cctcggcgc ccatcatggt taattctgtc caacaaacac acacgggtag 60
attgctggcc tgttgtagggt ggtagggaca cagatgaccg acctgggcac tccctcctgcc 120
aacattcagt ctgggtatgtg aggcgtgcgt gaagcaagaa ctccctggagc tacagggaca 180
gggagccatc attcctgcct gggaatcctg gaagacttcc tgcaggagtc agcgttcaat 240
cttgaccttg aagatgggaa ggatgttctt ttacgtacc aattcttttg tcttttgata 300
ttaaaaagaa gtacatgttc attgtagaga atttggaaac tgtagaagag aatcaagaag 360
aaaaataaaa atcac                                     375
```

```
<220>  
<221> misc_feature  
<222> 451  
<223> n = A,T,C or G
```

<400> 979						
cgcggtctgca	gggtccgggtc	ttcggttttgc	acagctagag	gccgcgcagc	agcaaaggat	60
gagcggaacc	ttggaaaagg	tgtgtgtgct	gaggaacaat	accattttta	agcaagcctt	120
ttctctctta	aggtttagaa	cttcaggaga	gaagcccatc	tattctgtag	agagagaagg	180
tcttgcttgt	ggcccagggt	tgagtacagt	ggcatgatca	tagctccctg	cagcctcgaa	240
ctcctgggtt	caagcaatcc	tcctgcttca	gcctctggag	tagctgggat	tacagggtgga	300
attctactaa	gtatcagtcg	gccctacaag	acaaagccca	cccacggcat	tggaaagtac	360
aagcacttaa	ttaaagcaga	agacccaaga	agaagaaggg	aaaagtggaa	gtgagagcca	420
ttaatttggg	gacagattat	gaatatgggg	ntttacctgc	cgggcggg		467

```
<220>  
<221> misc_feature  
<222> 1, 2  
<223> n = A,T,C or G
```

```

<400> 980
nnacgagaag tcttgcaact gcctcctgct caaagtcaac cagattggct ccgtgaccga 60
gtctcttcag gcgtgcaagc tggcccaggc caatggttgg ggcgatcatg tgtctcatcg 120
ttcgggggag actgaagata ccttcacatg tgacctgggt gtggggctgt gcaactgggca 180
gatcaagact ggtgcccctt gccgatctga gcgcttgg                               218

```

```

<210> 981
<211> 660
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 461, 466, 509, 513, 551, 552, 568, 570, 585, 589, 597, 600,
601, 629
<223> n = A,T,C or G

```

```

<400> 981
ccaactatgc ctctcagaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaattgat gttgaacttg 120
ttgctgaggg caacagcagg ttcaattaca ctgttcttgt agatggctgc tctaaaaaga 180
caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgcttgcctt 240
tccttgatat tgcacctttg gacatcggtg gtgctgacca ggaattcttt gtggacattg 300
gccagctctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaaga aatttgaaaa 360
aactttctct ttgccatttc ttcttcttct tttttaactg aaagcttgaa tccttccatt 420
tcttctgcac atctacttgc ttaaaattgg gggcaaaaaga naaaangaag gattgatcag 480
agcattgggc aatacagttt cattaactnc ttcccccggt cccccaaaat ttgaattttt 540
ttcacatttt nnctgtatg gaaaatgnan cttttagtaa acccnattna aattganaan 600
naaccttaac tttcccctgt ggtttgaant ttccccaagg aattactccc cgcggaagg 660

```

```

<210> 982
<211> 580
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 520, 554, 562, 563, 571, 572
<223> n = A,T,C or G

```

```

<400> 982
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaatata atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggg aaaaaaataa aacaaaaagc atttgaattg tatttggttg aacagcaaaa 360
aaagagaagt atcatttttc ttgtgcaaat tatactgttt ccaaacattt tggaaataaa 420
taactggaat ttgtcggca cttgcactgg ttgacagatt agaacagagg aaccattgga 480
gtaaattttt cctgcccggc ggcgctcagg gcgaattccn cacctggcgg ccgtctgtgg 540
tccactcgga ccantgggg anntgggcta nngttccgga                               580

```

<210> 983
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 171, 237, 243, 248, 259
 <223> n = A,T,C or G

<400> 983
 ccagtgtcccc ccaggaggct ccacctcaaa ctcaacccaa gcaacaggga cagatgaaaa 60
 acaaaatcca atcagggcga taaatagcgg ggggcaggac gtggtggtct ccaggctggc 120
 ttcgtgcgtt cttgcttttg tcaactgcccc cctgttacat gggggggggg nttaatttgg 180
 tttctgagcg cataaagcta aggaggggta aaaaaaaaca aaaaaaaaaa aaagggnaaa 240
 ttncccnnaa aaaaaaaang ggggaaaaaa a 271

<210> 984
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 984
 ctgccaaagct caagtccagt ggaattttat aacaatttat caccctgccc ctgctctgct 60
 agacaatttc atgccttctc ctttatcccc atgctctga gactgagcct ttccaggagc 120
 ccctcaacct gcttcctccc agaatccggg caaggctaca ctggtttccc ctctgcaggg 180
 ccctggccct gggaggggga aggctgactc taatggggag gaatcccagc ttcagtggct 240
 tcaaggcagg ccattcaact taccgacctt ggctacacac acccacgaca cgcaacacag 300
 acgcagacac aagactggca cttgggatca cactgg 336

<210> 985
 <211> 209
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 45, 48, 49, 58, 64, 70, 77, 83, 86, 97, 113, 157, 159, 166,
 187, 191
 <223> n = A,T,C or G

<400> 985
 aaacatctca catatacaaa ataggtacaa tttaattttt cttgnttnnc ccaaaaaanca 60
 aagnttttgn ggaccnttgg aanaanatga aaatganact ggcaaagaac aantgctgaa 120
 tctgaagaag aggacaactt tgggcaaata atctgcntnc ttttanttgg gaataagatg 180
 gaaaatntga ntgctaaatc aaatttttt 209

<210> 986
 <211> 236
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 8

<223> n = A,T,C or G

<400> 986

```

aaaaatgnga aatgtctcca cttagcgtag atcaatcaag tcagccatct cctaagaaat 60
acacattata caatgaaatc tacaaagaca cactttttta cttcaagcgt tgttgatttt 120
cagcaaccct cttcccatat gaacatttcc ttgtaatgta atgtatgact tttaatcttc 180
ttttggcaga gtagggactt tgagaattat aatagcagtt gttttgaaaa gcacct 236

```

<210> 987

<211> 260

<212> DNA

<213> Homo sapiens

<400> 987

```

gggaacgtca tcgtttggaa agcgtcgcaa taagacgcac acgttgtgcc gccgctgtgg 60
ctctaaggcc taccaccttc agaagtcgac ctgtggcaaa tgtggctacc ctgccaagcg 120
caagagaaaag tataactgga gtgccaaggc taaaagacga aataccaccg gaactggtcg 180
aatgaggcac ctaaaaattg tataccgcag attcaggeat ggattccgtg gaggaacaac 240
acctaaaccc aagagggcag 260

```

<210> 988

<211> 167

<212> DNA

<213> Homo sapiens

<400> 988

```

aaacaaacta tagaactctt cattgtcagc aaagcaaaga gtcactgcat caatgaaagt 60
tcaagaacct cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt 120
agaatgctga aatgtttttg aagttaaata aacagtatta catTTTT 167

```

<210> 989

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 188, 238, 260, 278, 304

<223> n = A,T,C or G

<400> 989

```

aaataaaaaag taaaagcaca cagtgtataa aaaataataa aagccatctt aatattgctt 60
acatcctaata actattagtt atattcgggg caagcagact aggatattgg tgttacttct 120
ataaagttac cttctgtttc taaatgctgt aaactaaaact aaaacagggt acccagaaaa 180
aagtggcnaa ttccaaaatg gcttaatacc tgtgacaact attgacttga gccaggtnca 240
acatcgatga aattcacacn tacaatgtaa agttgaanta atccccaat tattttacat 300
tatntatgta tactttacaa 320

```

<210> 990

<211> 451

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 364, 374, 378, 382, 395, 410, 418, 437, 442
 <223> n = A,T,C or G

<400> 990
 aaagctaaat aagcgacaag tgataaactg acatattcta ttaaccccag catgaggata 60
 cctcttctgc aatgatgtgg caaattatth attaaagcaa ggtaaacttt agcctcagat 120
 atagataact ctcaactcaga ggaaagaaaag aattttttga tcataggaaa aattggcttg 180
 tgccttttcc ctttcaaaga acattttataa aaaccttata acttcagtga aatacacaaa 240
 atgacttatg ctgacctgga cttttttccc cttttgaaaa atcgactaaa atatatactt 300
 ttcaatttcc cccttgaata tgaaaaacct gactaaaaga aaaagatggt tcctatgaag 360
 gtgncctctt tgtnatancc antaggattt tccanaaaat atttgattan aaccaangg 420
 taggagaaac cttttcntta ancttcaatt a 451

<210> 991
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 991
 gcatgaaacc cctgtcacat atcccctaga ttgctcaatc aatcacgacc ctttcatgtg 60
 aaatcttttag tgttgtgagc cottaanaag gacagaaatt gtgcacttga ggagctcaga 120
 ttttaaggct gtagcttgcc gatgctccca g 151

<210> 992
 <211> 211
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 177, 186, 189, 191, 202, 205
 <223> n = A,T,C or G

<400> 992
 aaaagccaaa aaatgggaga caatttcaca tggacttttg aaaatatttt tttcctttgc 60
 attcatctct caaacttagt ttttatcttt gaccaaccga acatgaccaa aaacccaaaag 120
 tgcattcaac cttacccaaa aaaaaaaaaa aaaaaattaa ttaatttctt ttttccttcc 180
 cggggnggnc nttcaaagg gnaantccca c 211

<210> 993
 <211> 59
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 9, 10, 19, 25, 54
 <223> n = A,T,C or G

<400> 993
 ctgatncann cttaccaang gatgncagag ccatgccatg gtgaggggct tgcnaatgg 59

<210> 994
 <211> 193
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 133
 <223> n = A,T,C or G

<400> 994
 gaagcctgtt ttgttggaag gtttggtgtg tggagatgca gaggtaaaag tgtgagcagt 60
 gagttacagc gagaggcaga gaaagaagag acaggagggc aagggccatg ctgaaggac 120
 cttgaagggt aangaagttt gatattaaag gagttaagag tagcaagttc tagagaagag 180
 gctggtgctg tgg 193

<210> 995
 <211> 539
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 288, 318, 324, 334, 399, 402, 422, 428, 430, 444, 450, 452,
 456, 463, 471, 483, 504, 517
 <223> n = A,T,C or G

<400> 995
 ccagtgtgta taacccttc cactatctca cagatagtca cagcgtccat tccatagtct 60
 gtctctcac atctgttagt attgacacag cacagacacc acaagccatc aggttcttca 120
 tggggcaggt gaaatacttc taccctatgg gtaaatgtat ttacatatta ccaagagaag 180
 aagcacatta tctatgatct tttggcccag ttcttattta gcatttttat tccagcctac 240
 ttggaaacat gtttttattt gcaatatatg cctgactgaa ttaagctngc ttggtttaaa 300
 caaccaaadc attggaanga aaanggattt aaanaacaag aatgcttgat ctacgcggtg 360
 attaaaaaaa aatcagggga aataaatgat cataagaang gngctttcaa acaactgcta 420
 tnataatntn aaaggcctct ttgncaaaan angatnaaag gentcctttc nttccaggga 480
 aangttttgt gggaaaaagg gtntttaaaa cgaccanct tgaggttaaa aagggggcc 539

<210> 996
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 415, 421
 <223> n = A,T,C or G

<400> 996
 ctgaggcttc ttgaggagc ttagccaatg tgggagcagc ggtttgggga gcagagacac 60
 taacgacttc agggcagggc tctgatattc catgaatgta tcaggaaata tatatgtgtg 120
 tgtatgtttg cacacttgtg tgtgggctgt gagtgcgaagt gtgagtaaga gctggtgtct 180
 gattgttaag tctaaatatt tccttaaaact gtgtggactg tgatgccaca cagagtggtc 240
 tttctggaga gggtataggt cactcctggg gcctcttggg tccccacgt gacagtgcct 300

```
<210> 997
<211> 498
<212> DNA
<213> Homo sapiens
```

<400>	997						
tttttttttag	tgaaaataag	ctttattaca	tcaagtaata	aatacatata	aagatgcaaa	60	
cagtttttagt	cattttcttc	cagatgtttt	tatcaactta	caataaacgc	agaactgaga	120	
tctacttaca	gtcttagtat	gaaagtgttc	gggggtcctt	gttaggtttg	gtgggttgct	180	
ctttcttctg	tatttataac	ttgtgcattt	ttaaaaattg	actttgaagc	actaatagtc	240	
atgcaaatgc	ttaagcaaaa	aagaagttac	attaagcaga	acctacattg	tatggcaaat	300	
gggaaccggc	tactaagtaa	agcgtgctgt	naatatgcgt	tcaaaaacaaa	atccctacag	360	
tgggtattag	cttatgaaaa	gggaacaaaag	aacaccatgg	gtaacanatg	tntacaaaag	420	
agaagaanaa	tggggagacc	atggtgtctt	ggagggnaaa	ctacaacctg	cccggggcggc	480	
cgtngaaggc	gaaattca					498	

```
<210> 998
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 226, 227, 361, 376, 385, 399, 413, 417, 428, 439, 443, 450
<223> n = A,T,C or G
```

<400>	998						
cagatgcgga	agacctotta	tgtctcagcac	caacaggtcc	gccaaatccg	gaagaagatg	60	
atggaaatca	tgacccgaga	ggtgcagaca	aatgacttga	aagaagtgg	caataaattg	120	
attccagaca	gcattggaaa	agacatagaa	aaggcttgcc	aatctattta	tcctctccat	180	
gatgtcttcg	ttagaaaagt	aaaaatgctg	aagaagccca	agtttnnatt	gggaaagctc	240	
atggagcttc	atggtgaagg	cagtagttct	ggaaaagcca	ctggggggacg	agacaggtgc	300	
taaagttgaa	cgagcttgat	gggatatgaa	ccaccagtcc	caagaatctg	tttaacctgcc	360	
nggcggccct	cgaangggcg	aattncacac	actgggcgnc	gttactagtg	ggntccnagt	420	
tcggtccnaa	gcttgccgna	atnatgggcn	tta			453	

```
<210> 999
<211> 581
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 491, 502, 527, 540, 555, 562, 563, 568, 579  
<223> n = A,T,C or G
```

<400> 999
 acaaaaaaat tcttttatgt acaatatctt gtctagagtc tagcaaatat agtacctttc 60
 attgcaggat ttctgcttaa tataacaagc aaaaacaaac aactgaaaaa atataaacca 120
 aagcaaacca aacccccgcg tcaactacaa atgtcaatat tgaatgaagc attaaaagac 180
 aaacataaag taacttcagc ttttatctag caatgcagaa tgaatactaa aattagtggc 240
 aaaaaaacia acaacaaaca acaaacaaaa caaaacaaac aaacaaaaaa tcccaccaat 300
 cttcatgggt aaactttcct gctcagggat gtaagctgac tctagaccat ctgcggttc 360
 ctgcggatag cacagcacia gatcatactg aagatcatgc caaatatcat gaccacggca 420
 atgccgatgc ccaactgcgc gatgatgtgg aatttattgg tcgaagacct cttttgatgg 480
 catcaggaca ngacttcacg gngaagggtt cgagtcctcc ttccctnccc ggccggccgn 540
 ttaaggcgaa ttcancccc tnnccgcntt cctatgganc c 581

<210> 1000

<211> 299

<212> DNA

<213> Homo sapiens

<400> 1000
 gttccagggt tatcttagct aaaactagag aatgccctaa cttagatggg ttttgaagcc 60
 tatacaattg gtattgtttg acccttaagc ttttacatct cttagcatgg aggacgaaga 120
 aagctgtaca ttgttgcttg agagtctgta catttagtcc agatttgtat ttgcactgcc 180
 agtatggcaa atgagtgaag aatgtttaat acactattgg attttttatt tccttttttt 240
 gattcagctt ataccggggc tgaaaacctc aatttatgtt catgacagtg gggattttt 299

<210> 1001

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1001
 ttttttttga attttaatat gatattttat tatgggtgtc tgtaaggaaa aaaaagatca 60
 acaaccacat acaagcttac aaagttaaag ttcaacacat tctctatgct agtgtgacaa 120
 aagcagcccc ataatttggt ttttattggt gacctttaca ggatgaagga ggagaatccc 180
 ctgtggcatg ccaatgaatc tttctgatgg gagacatgta cagattttgt gcatttatgt 240
 tctgaatgca agtcaacaat tctgatctag agtttaaaag tgaaagtaca ttagcaccat 300
 aacatgcgtc tttaaagcct tcccaaatat taa 333

<210> 1002

<211> 367

<212> DNA

<213> Homo sapiens

<400> 1002
 gcagaacaaa tcaagcacat ccttgctaag ttcaaaaaact accagttctt tattgggtgaa 60
 aacatgaatc cagatggcat ggttgctcta ttggactacc gtgaggatgg tgtgacccca 120
 tacatgattt tctttaagga tggtttagaa atggaaaaat gtttaacaaat gtggcaatta 180
 ttttgatct atcacctgtc atcataactg gcttctgctt gtcattccaca caacaccagg 240
 acttaagaca aatgggactg atgtoatctt gagctcttca tttattttga ctgtgattta 300
 tttggagtgg aggcattgtt ttttaagaaa acatgtcatg taggttgtct aaaaataaaa 360
 tgcattt 367

<210> 1003

<211> 388

<212> DNA

<213> Homo sapiens

<400> 1003

```

aaaaaaagtg gggagaggggt gagagtcgta aggggcaata gcaatagaga ttacactgtg 60
ctgacacaga gactaaattc tagtcagagt gaagacccat ataaaaggcc ggctgatggt 120
ttaaaggaag taaccacatg gagtctaata gagacattca tgagttacat ctcattatta 180
gccttagtaa tgtaagaaaa caattctcaa caaaactgga gtccacagtt gtcaagtatg 240
ctttctcagg cacgggtagg taaaagtctg gagaaatggg ttctctccat gcccaatgac 300
aaagcaagac ggtcctagggt ttgagggttaa gagcagggtc cattgccggg cggtatccgc 360
agctcacaga cctcggggccg cgaccacg 388

```

<210> 1004

<211> 211

<212> DNA

<213> Homo sapiens

<400> 1004

```

gctggggttg gctccatgac caaggtctat gggggacgtc agagaaacgg cgtcatgccc 60
agccacttca gccgaggctc caagagtgtg gcccgccggg tcctccaagc cctggagggg 120
ctgaaaatgg tggaaaagga ccaagatggc ggccgcaaac tgacacctca gggacaaaga 180
gatctggaca gaatcgccgg acaggtggca g 211

```

<210> 1005

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 175, 237, 248, 249, 250, 275, 278, 311

<223> n = A,T,C or G

<400> 1005

```

aaaatgtacc caactgggac caaatacaaa catgagacac taggggtggct tgtccttgat 60
taggaattac cagcttaagg aactttatca tgggctgaga gatagataga tagcttagaa 120
caacattgca aaagtgggtg cttctacatg aggacttttt tcccccccaa gtagnacaat 180
aattaaatct tgtgtttctt tatattgtgc tttttttggg agaaagcaat tcatttnccg 240
atctaaannn tgccggatac aaaggtagtt caganaenta ataatgggtc ctccaagaac 300
aaggagcaa ncccccta 318

```

<210> 1006

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 403, 440, 446, 457, 467, 472, 482

<223> n = A,T,C or G

<400> 1006

```

aaatgactaa aaacgaggcc acactttaat tcaattggaa aggaaatgca gttggaaaca 60
gagcataatt aacgctactg aaaagatgga tattttgggac caaagttcat ttgctccagt 120

```

```

tgagagtaag ttttcagggg attaacttgg gaatggtgca gtgtaatcta gatcacgctc 180
ccaagacctg caccaaagag aattatgggt gcccttttgag ctactgtatg actctatttg 240
cctttcacat aactagcttc cccaagcaga tctgcctgtg aatattagac attactatgg 300
tgttagtgat cactcccagt acccacagtc catctcataa ttggaaagta tgaataggaa 360
agtatttgta atcagtgtca ttgcagggga aggagtactc tangccagtg gcctaaatca 420
atggacctgg cccgggcggn cgcctnaggg cgaattncac ccactgngcg gncgtatcta 480
gnggatccc a 491

```

<210> 1007

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 380, 381, 407, 424, 429, 445, 488

<223> n = A,T,C or G

<400> 1007

```

gcgagaatga agactattct cagcaatcag actgtcgaca ttccagaaaa tgtcgacatt 60
actctgaagg gacgcacagt tatcgtgaag ggccccagag gaaccttgcg gagggacttc 120
aatcacatca atgtagaact cagccttctt ggaaagaaaa aaaagaggct ccgggttgac 180
aaatggtggg gtaacagaaa ggaactggct accgttcgga ctattttagt tcatgtacag 240
aacatgatca aggtgtttac actgggcttc cgttacaaga tgagggtctgt gtatgctcac 300
tcccccatca acgttgttat ccaggagaat gggctctctt ttgaaatccg aaatttcttg 360
ggtgaaaaat acattcccn nggttcggat gagaccaggt ggtggtntgg tcagtatccc 420
cacnccccna aagaggaatt taatncttga aggaaatgga catttgagct tgtccccccc 480
ccccggntt t 491

```

<210> 1008

<211> 346

<212> DNA

<213> Homo sapiens

<400> 1008

```

aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
ttttccatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggt aaaaaaataa aacaaaaagc atttgaattg tatttg 346

```

<210> 1009

<211> 143

<212> DNA

<213> Homo sapiens

<400> 1009

```

aaagccttcc caaatattag taatcttgac cagcaatgac aagaaaaaag aggagcacct 60
ttacaagcag ttgatatcca atattaaaat aattgtggct ttaaaaaat ttctttaaat 120
tcttgcatca cacttttctt ttt 143

```

<210> 1010

<211> 716

<212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 418, 465, 489, 505, 512, 517, 527, 547, 562, 563, 566, 579,
 580, 589, 602, 611, 618, 647, 648, 660, 689, 693, 710, 714,
 715

<223> n = A,T,C or G

<400> 1010

```
ctgacagggtg tacttaaaaa tactgaattg acagctacat tgaatgcagg gtttcccagg 60
gtagttctca ttttgtcact tactccaatt acattcaagg tcgttatgcc tcatcttttt 120
cctgagctgt ggcagctcta actggggcac ccagagagat acataccagg taatctccac 180
ttctactttt ctggtagctt ggccctggca aaatgagccc cacaatctag aaagtaggat 240
gctaaacaaa gttgaatcaa catatctttt tagaaaatat caggttagag aatactcctg 300
aggacctgtt tctaaccaga gttgacaaat gtgaaaaatg catcagctag acagcagtca 360
tgtgaacaca gcccggaact gcaagtcaag gaaatgggtt ctgggcccgc cttcccangt 420
acaaaaacca ttattcaaaa gcaactactg aaaatgccag cttgntgggg aaaagaaatg 480
gggaaacgng ataaatccaa ttaantgcat gnatatncat gaatacnaaa gctatatgga 540
aaaaatnaaa tcaaaccctt tnnacnaaga agaattggnn acctctant ttttggccca 600
angtaaaaat naaaaacnct gggataaatt ttgcccttag gcctttnttg tgagggaaan 660
atttaacttg gggaaaaaaa cgattttanc tgnccggggg gcccccaan ggggnt 716
```

<210> 1011

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 476, 498, 501, 522, 530, 549, 551, 552

<223> n = A,T,C or G

<400> 1011

```
ctgcagaatg gctcccgcaa agaagggtgg cgagaagaaa aagggccggt ctgccatcaa 60
cgaagtggta acccgagaat acaccatcaa cattcacaag cgcacccatg gagtgggctt 120
caagaagcgt gcacctcggg cactcaaaga gattcggaaa tttgccatga aggagatggg 180
aactccagat gtgcgcattg acaccaggct caacaaagct gtctgggcca aaggaataag 240
gaatgtgcca taccgaatcc gtgtgcggct gtccagaaaa cgtaatgagg atgaagattc 300
accaaataag ctatatactt tggttaccta tgtacctgtt accactttca aaagtaagtt 360
ctccatccca taaagccatt taaattcatt agaaaaatgt ccttacctct taaaatgtga 420
attcatctgt taagctaggg gtgacaaaacg tcattgaccc tttttacctc gggcgngacc 480
acgcttaggg gcgaattnca nccacttgcg ggccgttcta gnggatocan ctcggaacaa 540
gcttggcgna nnatggggca tagtg 565
```

<210> 1012

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 317, 320, 330, 332, 342, 349, 351, 366, 371, 400

<223> n = A,T,C or G

<400> 1012

```
ggcgttttga tgccatgccg tttactttta gagcatttga agatgagaag aaggctcgga 60
tggtgtgtgt ggagtgcgcc aaacatgaac tgctgcaacc atttaatgtt ctctatgaga 120
aggagggtga atttgttgcc cagttttaa t tacagttct gctcatgccc aatggcccca 180
tgcggataac cagtgggtccc ttcgagcctg acctctacaa gtctgagatg gaggtccagg 240
atgcagagct aaaggccctc ctccagagtt ctgcaagtcg aaaaaccag aaaaagaaaa 300
aaaagaagga cctctgncgn gaccaccccn anaggggaat tncaacacnc ntttgcggcg 360
gtcttntggc ntccagctcg gtccaacttg gggtaatcan ggggtcc 407
```

<210> 1013

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1013

```
ctgtgggcta attgccgcca atttcagcct gccacgattc ttggaaatat gtcttccaag 60
tgccatccat catcagtagg acaagtgtcg ggagtttggt tatttttttc cagtagcaac 120
gatgggttac atggagccat gaaacctcct tctggcctcc cttgtgatta atggcatgtg 180
tttgtaaaat ggatagctgg gggtggcaga tggctagaga agaatcgctt ttggttt 237
```

<210> 1014

<211> 669

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 415, 469, 503, 573, 589, 600, 613, 626, 633, 646, 657, 661, 668

<223> n = A,T,C or G

<400> 1014

```
ccagggttg tgggtgcagg gtctgcagg aggcagtcag gttgtgaatg cgctgggcat 60
ccagaaactt gcggtacacg taggatggct ccaactttcc aatggttcgg atatattgct 120
ggacagcccc atcgtggttg cccttgctgt agagatggtc tccatactgc atgaaaatct 180
gggcgggccc atcactgtcc agatgctggc tcttggaag gttaatcgcc atctcaaata 240
ggttcttctt aaacagcatc tccagtttg tctgtgtgtc cttctcctgc agtgcgtgga 300
cccgcccatc ccgcgtcagc acgtacagg agcccccactc agcaagcaca tccactacat 360
cctcaaagac ggtgctatag gctatgaact tgttgcacag gtcatagatg tttanaatct 420
gcttgctcga gctctgtgaa tccctgctgg taaactcttg acttgggana aaaccttccg 480
gcacgggaga caatgataag gtngcctcta aaccagtggc aatgaactta tggccctaaa 540
ggcaaacaag gccacgttca tcaggtggac agnagaacct atcccggcnc atgaatgagn 600
ctaaaaggcc tanggtacac gaagcncacc tngncactcc caggantttc aagcttntga 660
ntgactcng 669
```

<210> 1015

<211> 494

<212> DNA

<213> Homo sapiens

<400> 1015

```
aaataagggtg atagtaaatt ataccttgta gttaatagta atcaatcaat caatcactac 60
```

```

agtaatcaca aataaggtaa agtctaaatt actgccttag caaacactat gttgtcaggt 120
ttttctgctg caagcccaag gcgggaaaca ctgcagttat tagaagttag cccaatgatg 180
aatttgcatt tgaagctggg agaaagagga aaaaaagtgt gttctgatta tggcatcgag 240
acactgtagc ctaaaaaagc aactttatta atgtcctgca gcagcgtaca ttagtaatta 300
taacaatgca ttaaaatttt catttcatgt catagagaat cagttttctt catgatacat 360
tatgttttac tgagttagtt tgtccctcca gagaccttcc tgggaacatg ccttctccag 420
ggactgcttc ctaagatgcc caggttgctt accacaggtc atctttggtc atttacctcg 480
ggccgcgacc acgc 494

```

<210> 1016

<211> 98

<212> DNA

<213> Homo sapiens

<400> 1016

```

ctggcaaaat aacacacagt acacaaagaa cagtgtatatt tacagagtca gtaatgaaaa 60
ctgacagctc tttagcagat atgctttttt catttttt 98

```

<210> 1017

<211> 458

<212> DNA

<213> Homo sapiens

<400> 1017

```

aaaaagatgt ttggatatat ttgagtattc cgatcatgaa aacagaaatt gccctgccta 60
ctacaaggac agactgatgg gaaattatgc acctgggtcaa cttagctttt aagcagacga 120
tgctgtaaaa actaacggct tctctgatat ttattgtaag ttttagtact gatctccttt 180
tccagtgtctg cacactcctg gtttggaact ttaatagcgt tgcaacgaaa tcctatatcc 240
agtttctctg aatttaattg aagaaaaata catccaaata aagactttat tattaacaga 300
ccagatagca tcagaaatca tgtgactgtt atgattatca gaatgtctta acttttttagg 360
gcaaagttaa cactgaaagt tctagcttaa gtgttgaaac ttttgtggga aaaaaaatca 420
cttttgaaac tcagacttca gtgtataccc aataattt 458

```

<210> 1018

<211> 654

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 506, 530, 547, 548, 592, 600, 605, 610, 619, 624, 632, 634, 638, 642, 647

<223> n = A,T,C or G

<400> 1018

```

ccattcttga aagaaaaaag ctgcaaataa cattttcaag aatataaaaa aatgagtaaa 60
caaagggaag gttgttttggc catttataga caattaagca cagactgtag atgtccttcc 120
aattcttggg aggctaaact gagtctacca tttcttacat ttcttttacc tattttttga 180
gaattgccag ttgtacagtg tttagcatgt ggaatgtacc aaatatatct atgttgtgac 240
ttaagatatt ctaaattgtg ataacttctg acctaggaaa catgaagttt gtagtgaagt 300
aagtgaaaaag aatgttcagg aaattttttt tctccatctc ttcagttggc atttattgag 360
agtttttatt gaattgcttat taaaagtata tgatttataa tatttagaaa atagaagaaa 420
aaagaaaact gtagatgttt tatcttggtt taatactgga tggtttagta ccgtatacca 480
tttatggttc tagtgggac aaatntttc attttcatta aaagtgaatn caaattttcc 540

```

```

cttattnnaa ggcccatttt acctcgcccc gccaaccacg gcttaggggc gnaattccan 600
cacnctgggn ggccgggtinc ttangggatc cnancttngg tncagnttg gggg      654

```

<210> 1019

<211> 240

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 219

<223> n = A,T,C or G

<400> 1019

```

ggcagggcct agctgctaca aagaagacat gttttagaca aatactcatg tgtatgggca 60
aaaaactcga ggactgtatt tgtgactaat tgtataacag gttatttttag tttctgttct 120
gtggaaagtg taaagcattc caacaaaggg ttttaatgta gatttttttt tttgcacccc 180
atgctgttga ttgctaaatg taacagtctg atcgtgaacn tgaataaatg tctttttttt 240

```

<210> 1020

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 274, 285, 311, 353, 357, 360, 364, 382

<223> n = A,T,C or G

<400> 1020

```

ctgctcttca tttattttga aagcaaattc atttgaaagt gcataaatgg tcatcataag 60
tcaaacgtat caattagacc ttcaacctag gaaacaaaat tttttttttc tatttaataa 120
tacaccacac tgaaattatt tgccaatgaa tcccaaagat ttggtacaaa tagtacaatt 180
cgtattttgct ttctcttttc ctttcttcag acaaacacca aataaaatgc aggtgaaaga 240
gatgaaccac gactagaggc tgacttagaa attnatgctg actcnatcta aaaaaaatta 300
tgttggttaa ngttaatcta tctaaaatag ggcatttttg gaatgctttt canaganggn 360
caantaacag tcgtacagct anaaaagtcc ctgaaaaa      398

```

<210> 1021

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 72, 77

<223> n = A,T,C or G

<400> 1021

```

gaggtcagaa gataaagaca tctacacctt gagcctttta gaacagggtat ccagggattt 60
tacctctcca gngctangca gggctctatgc ccataacatc agcaggaagc agttacagaa 120
gatgaacctc cgcccttctg caagcccttt aagattaagg aggagtatat aatctctgat 180
ggggaaatga ggtaggagac cagaaggact tattttccat tcccaacccc attgaacaga 240

```

```
gcaggatctg gtcaaaacag ggtgcagtgg agaagcctgc tgaaaccagc agatgatgat 300
gaaagtgacc tctagttgcc ctactgctt atgagcataa agacactacc actgggacca 360
tgg 363
```

```
<210> 1022
<211> 479
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 323, 335, 357, 385, 392, 406, 435, 445
<223> n = A,T,C or G
```

```
<400> 1022
aaaaagtatg ttctaaaatt attatatata catgggtgaa ttatgtttcc gaggcactgt 60
tttatctctg tgaatcttga ataacttttt tatatttggg ttatgatgtc aaacgatcct 120
aagcgaagat gatttcagtt catcaaatca tcattaatga ctttatgtat tatttgcaca 180
gggagaattg aaactgagta taatcaataa gctagatcga aaatcagttt ctcaaactga 240
gcttcagaaa agggcatttt ggactcttgg ttttgcataa ctgggtttgg tttttttgca 300
gaattaacta taaccaatca ctngcttccc gaagnaaacc tggatgtacc tggaatncca 360
ttattaccat aacctttcca atttntttac cnactttctg gtttangooc aaccttggga 420
ttacccttat ttttnccggg gtcngaatt taaaaaaaaa aaaaaaaaaa aaaaaaagc 479
```

```
<210> 1023
<211> 465
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 433, 450, 451, 452
<223> n = A,T,C or G
```

```
<400> 1023
ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacagga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatatcct tttgttcctc tggttaattg tgggtgcctgg 240
ctgggctttg tcttggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgtctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg gaatgaggac ctgcccgcg accacgctaa 420
gggcgaattc cancacactt gtggcgccgn nctagtga tccga 465
```

```
<210> 1024
<211> 210
<212> DNA
<213> Homo sapiens
```

```
<400> 1024
aaacaaagca aaacaaaacc accaatccta ataaccccc tccctgcccc gtctccacgc 60
tgtgcgagaga gggctctagc cctcagtcg gacttctcct tctccttcat gtgcaagaag 120
acgatgctga agatgaagag cccagcatc atggagaagg cgctggcgta gtaggggtag 180
gccgagggga tgaagcgctc atactgcgtg 210
```

<210> 1025
 <211> 609
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 473, 514, 538, 546, 548, 553, 561, 569, 595, 604
 <223> n = A,T,C or G

<400> 1025
 ctgggtacca ttccgggtca tccgcagaaa ttccctcatag atggcaactc tgtctactct 60
 ccgagccagt ggcgagaagt tacacagggg gtccaccccg gtgtgggtgcc tgttggggac 120
 agacctgaat gttgaaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
 gagttgggtg agcgcacacct caatattcct tttgttcctc tggtaattgg tggcgccctg 240
 ctgggctttg tcttggaagt atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
 ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360
 caccaactgg taggtggagc ccaccaatgg aatgaggcat tcagggtctt atctagaaag 420
 acttgctcca ccaggctggg gtccaaattg gaggagaaca atgccttgac agngaccaca 480
 cggagtccat cgtcaattgg tgaccaggca gaancggaat gtgtcatgag ttgactgnct 540
 ttgtanangg ggngacctg nctggatgnc ctacacaggg atgacttgag gatngggggc 600
 tggntactg 609

<210> 1026
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 196, 531, 539, 540, 541, 551, 552, 571
 <223> n = A,T,C or G

<400> 1026
 ctgagaaatc taggtggatt catattcgta atcattgatt aacatgcaca tttggggttg 60
 cacatttttg tttatcatatc attttttctcc gttttctatt aaagaacatg ctctagggga 120
 actattaata gccaccaggt cgggtaggca gcattcaatc cttctatgcc ttctttcgcc 180
 acctgttgag gtcttntctt tgaaacaaag aagaaataga caaatcagac ttgccctctt 240
 ggaaatgtgg tccagatttc tctactccca agctccaaaa aaggcatata ttggatgggc 300
 tagatcaact cctcctgaga gccataaatc cgccaagagt tgttttccat gtaagggtgt 360
 ggtacaatgg ggaacgcctg atgttgaggg aaagcaggag gacttttagag tggagttgca 420
 ttctaattct tctgccgctt caactatgtg acctggggca aatgatataa actctatgag 480
 cctctttcct tatctttacc tgcccggggc ggcgctaagg gcgaattcca nccacttttn 540
 ngcggttcta nnggatccaa ctccggacca ncttggcgta atatgggata 590

<210> 1027
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 69, 88, 121, 127, 129, 177, 266, 275, 316, 332, 335, 348,

366

<223> n = A,T,C or G

<400> 1027

```

gtggtctcga gctcccaacc ttgtgatcca cctgcctcgg cctcccaaag tgctgggatt 60
acaggcatna aggataacgt ttttttttnc catcaactggc acttgccctt aatccaagtc 120
nttttgnanc cccctttttt gtttttgggc ctgcttaatt agctatatgc atcctcnagg 180
gctgagaagg aaggaaggga aagtcccca gtggattttt agtcttcacc caatgcagag 240
gcagttttga gttctgtgga cagcanaagc ttcantttct tgatgtatct atactgggac 300
ctgcccgggc ggccgntcga aagggcgaat tncancacac ttggcggncg tactagtggg 360
atccanctcg gaccaaactt ggggaaacat ggcata 396

```

<210> 1028

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1028

```

aaaaacaaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60
ttatatataa catacataca cacaatcttt ttgcttatta taatacagac ttaaattgtac 120
aaagatgttt tccacttttt tcaattttta aacacaacag ctataaacct gaacacatat 180
gctatcatca tgccataaga ctaaaacaat tatatttagc gacaagtaga aaggattaaa 240
tagtcaaata caagaatgaa aaacgcagta catagtgtcg cg 282

```

<210> 1029

<211> 311

<212> DNA

<213> Homo sapiens

<400> 1029

```

aaaggcaaa ctttattttc atctctcacc ttttgtcctc ctttagcaca tgtaaaaaag 60
aatagtaata tcagaacagg aaggaggaat ggcttgctgg ggagcccatc caggacactg 120
ggagcacata gagattcacc catgtttgtt gaacttagag tcattctcat gcttttcttt 180
ataattcaca catatatgca gagaagatat gttcttggtt acattgtata caacatagcc 240
ccaaatatag taagatctat actagataat cctagatgaa atggttagaga tgctatatga 300
tacaactgtg g 311

```

<210> 1030

<211> 144

<212> DNA

<213> Homo sapiens

<400> 1030

```

aaaacaagca aattttatta aaggaaaatt ttgcaggttt aaggtttgca ggtgaaattt 60
tgtagggtgaa aaggtttact tttcaccagt ctgttctggc atgcttctaa tgatgtcaga 120
gtcacctgga tcaatgatag ccag 144

```

<210> 1031

<211> 79

<212> DNA

<213> Homo sapiens

<400> 1031

```

aaaagttgct attaccaatt ctgtctactg tagcaagata cottaagtta caacaaaatc 60

```

ttaggaaata agactgaat

79

<210> 1032

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 89, 92, 93, 110, 145, 194, 238, 335, 336, 342, 363, 381, 397, 434, 470, 474, 507, 511, 526, 536, 538

<223> n = A,T,C or G

<400> 1032

```
ccaggagctg tctttggggc tggggataca acagagaaac aaaccaggtg ttgtcatttc 60
ccagaagtca caatatattca agggaaaant tnnaatccag gtttcactgn tttcaaacc 120
caggttgatt attaatggga cagcntttcc tgtagtccag ggaggcccaa agaatgttcg 180
tagagggtct tggnttaggg tttcttatta acagagtga caggaaccaa acaccaantg 240
gaaatggagg gtgatggctt tgggtggggg ggtccagtct aattgttctt catcgtctcc 300
tggatccagt ccacatatit gcagactttc gtgtnnacc angcttttcg ggtgatccac 360
acnggatcct ggccccagga nataatgcct tgaaaanact gggtcaaacc aaaaggcccc 420
cggagtcccc tggnaggatc cttgccccct ctcacctgga caccatggn gttntatttc 480
ccgggagcgt ctacctttgg gtaactngcg naccctaggg atcacnctgg ctctangnca 540
ctgccactgg                                     550
```

<210> 1033

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1033

```
aaatcacgtt ttgtttctgc aaatttgga gacaaattga gttcttactg gaatgtggcc 60
tatcgctggt tgacaaatct gaaatggaat gtctccaaat ggcagtgcct cctttccgc 120
cctccctagg accacaccaa taaccagctc ccaagcacia gttcttgctc ccatttttc 180
tgtaggggtg ggggtgggac cttcaggtcg ctatctttgc catctgctgt tctaacttgg 240
aaatacgctc atcttgattg cagattgtgt cttttataga tttgatctct ttt 293
```

<210> 1034

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 454, 522, 553, 577, 579

<223> n = A,T,C or G

<400> 1034

```
ctggcattcc ttgcacttct ctccagccga gcttcccaga acatcacata tcactacaaa 60
aatagcattg catacatgga tcaggccagt ggaaatgtaa agaaggccct gaagctgatg 120
gggtcaaatg aaggtgaatt caaggtgaa ggaaatagca aattcaccta cacagtcttg 180
gaggatggtt gcacgaaaca cactggggaa tggagcaaaa cagtctttgg atatcgaaca 240
cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg tggctctgat 300
caagaatttg gtgtggacgt tggccctgtt tgctttttat aaaccaaact ctatctgaaa 360
```

```
tccaacaaaa aaaaatttaa ctccatatgt gttcctcttg ttctaattct gtcaaccagt 420
gcaagtgacc gacaaaaatt ccagttatta tttncaaaat gtttggaac agtataattt 480
gacaaagaaa aatgatactt ctcttttttg tgtcccaaaa tncattcaaa gctttgttct 540
tttcattca ttnaaagttc atgggtatat aaaactncnt ttttaaccctg gtttctgatc 600
tacct 605
```

<210> 1035

<211> 695

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 519, 540, 553, 575, 578, 586, 609, 621, 631, 644, 651, 653, 662, 681, 686

<223> n = A,T,C or G

<400> 1035

```
ccagtcattt atttttccag taattttaaag ctgtgactag gagacacagc ctctgtgggt 60
tgtgagggtt gagatgatat aaactcagga gctgtcgggt ggacatgttc actgagaagg 120
acagtcagtc cacagagaga gaacaccgcc aacatgcagg ggggtctaga gaacacagac 180
catgtggatc cgagagtgtt ggaggggcag ctctagcttc tctgggcttt tcggatccga 240
gttctgttcc tgggaggcct ggctaaaatc tacccttggg cctgcactc ctccccatgg 300
ctatatgtca aatatcctat actttgcatg tgatcacaca aagagggttt ctgttactgg 360
cacacaaaaa gtttgcctga gatgattctc ctccacttcc atcagggtct tctggcattg 420
atttcaactt attctctctt aagaacccat tgagtcccca taatctcttg gttctttctt 480
ttccaggacc actgctacag ttcaaaccctc attttgctnt attacttggg ccttgatggn 540
tgatgcctaa canaccaggg tttttaaaaa ccttnttntc cccttnaacc ttgggatccc 600
ctttccttna ccccatggc nctgatacc nctgggtcc attnccaaac ncnccaggg 660
cnggaagggt gttaaaattt nccaanccgg taaaa 695
```

<210> 1036

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1036

```
aaaaagtagt tagcatttaa tgaaactccc tccatgtggc ttcaagccac caggacacag 60
gcccccccaa cactcttaat ctctctctca gctcttctgc tgaagaattt ggccttcacg 120
atgacaggct gctttgggag ctttcccttt ccagaaactt tgtagtagcc cgatcgaccc 180
acatcaatga tgggagcagc ccccgctctg ttttttagcag cattcaccog tgtctgttca 240
ctgac 245
```

<210> 1037

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1037

```
ttggaccctt acacacttcc taatgacaga atttggctgt ttggcttcaa ctccactttt 60
ttccagcacg attccttttg catgagaagc acctccaaaa gggttggcct ttagggctgt 120
goccaaata ga gctttcttat actgtttatc atgccacttc tgggtctcgtc ggtgactacg 180
gagcttccta gcagtacgaa gtccacgaca ctgcccacac ctgtcggcg 229
```

<210> 1038
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 1038
 gtgggactta ctccctcctc tcctttgaga ggcccatgtg tcgctgggga ggaagtgacc 60
 ctttgtgtaa ctgtaaccga aagttttttc aaaaatccta gatgctgttg tttgaatggt 120
 acatacttct atttgtgcca catctcccct ccactcccct gcttaataaa ctctaaaaat 180
 ccacttgat tt 192

<210> 1039
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 1039
 ctgcagccca tctctccggc tccctcctag tctgtcctgc gtcctctgtc cccgggtttc 60
 agagacaact tcccaaagca caaagcagtt tttccccccta ggggtgggag gaagcaaaaag 120
 actctgtacc tattttgtat gtgtataata atttgagatg tttttaatta ttttgattgc 180
 tggaataaag catgtggaaa tgactcaaaa aaaa 214

<210> 1040
 <211> 524
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 264, 322, 379, 408, 461, 483, 518
 <223> n = A,T,C or G

<400> 1040
 ctgtgggtgg ttttcctggt acgacgctca gttagcctgta gcaataacaa actcgtggct 60
 atgaatgcag atgcagtgtt ctcatagaat aactgttcct gcactttttac agacaaatct 120
 acgacaaaaa aaaagatcaa cttttttttt ccgaacaaca aaaaaaatga atgattacaa 180
 taggaaaggg aaaaattaaa tagctacata tcattaacaa attaatgttc ttcaaaaaat 240
 acctacaaat ttctctgtac attnttttac cacagcgtaa cgatgggtctc aaaatcacc 300
 atatagaaaa gtgttctcaa cnatTTTTCC tacagaaaat ataggggcct gaatgccaaa 360
 gcttggaagc ccagtacant gggagtgaat tgtgtgcggg gcaagganaa gggctttttt 420
 tcctcccttt tcaaaggctg caccactctg tgactacaaa nccagcctcc accttttccc 480
 cangccattc caaatcacac taaaactgaa accgggggnat cggt 524

<210> 1041
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 1041
 aaacaagact ccagtatgtg aagggttaatt gctgtgctcc acagatcttg tctattggcc 60
 cctgtagaaa gttaacccttt gttgttttcc ttttataatt tgcttattgc acaattgctt 120
 tagggtaagt gaattatatt aagatgcctt gaaattatag cactccttga ttaagaagct 180
 aaaatgtttc tctcattttac tccttaaaca aaagacttaa attagtttg gtcattatta 240
 cttttatttt gcagcatttg gtttggttatt agcgtaagag caagtatagg atatggagag 300

```

gcccttggt  tcatgagaac  aaaggcagge  ccagggttata  attacagctt  tctcctgccc  360
cttctttact  ttctctacca  cagtcttctc  cactgtttgt  tttcctcttg  ccacaatttg  420
ctaacattt                                     429

```

<210> 1042

<211> 313

<212> DNA

<213> Homo sapiens

<400> 1042

```

ccagagtctg  tcacactaag  atgagaaatg  tcctttcttc  ctgaagggtg  ctgatgtgta  60
aaaatatgat  atactttgtg  ctgtttcttc  ccttcccttt  tgcataattat  tctgaaacaa  120
cattaactag  ttactttgcg  tcattgaagg  tatgcacttc  ccctctatgt  taggagtgaa  180
taaaattaaa  aatagatcct  tataacaaag  aaaggcagat  agaatgatta  aaaatgacca  240
aaacatgtta  gaaacagtct  ctcagggtga  tgcagatggt  aattacaaaa  atactttttc  300
aaaaagaaaa  aaa                                     313

```

<210> 1043

<211> 299

<212> DNA

<213> Homo sapiens

<400> 1043

```

aaatttgacc  aaaaaaaatt  tattgtacaa  ttaccacacca  ctggatttga  ctcagagagg  60
acccccagag  ggtgtctcca  tcttccctat  ttatttttcag  cccttgaggg  cttcattgta  120
gatcaaagcc  aaggcccca  ggaagggtgac  atactcctgg  aagttcacct  cctggtcctt  180
gttcgggtcc  aagtcttcca  tcagccttgc  aatttcagca  tcctgcagct  tcgagccaat  240
ggtgagctcc  ttctggatca  gtccttccag  ctcttctttg  ctcagggtgt  gcttgtcac  299

```

<210> 1044

<211> 135

<212> DNA

<213> Homo sapiens

<400> 1044

```

aaagcgctga  tcctgtttat  ttggcaggaa  aacgagacaa  tccagcagcc  caggagggac  60
agggtgactt  aatcctcttc  ctctgtgtct  ccagccccag  cccaccctg  gcccttcttg  120
gcattcttcc  tcttc                                     135

```

<210> 1045

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 462, 563, 566, 571, 588, 598

<223> n = A,T,C or G

<400> 1045

```

gtatcctagc  tgacaaaatta  ttgattaata  agaacttgaa  tttctggaag  attcttactg  60
ttaaccaaat  tttgagcaag  gagtctcaaa  ggtaattctg  aaccagaatt  acatgttaat  120
gaacagtgtg  ccttttaaca  gtgtaaatca  cggaatatcc  gtgaagggat  ttcttaattt  180
atTTTTTacc  ggttgattga  aatatcagtt  aaaggttgcc  agcatggttg  cagataaact  240

```

```

gatgtttgaa attcgotgaa atacttaatg tggaatagga taatatactt ccaatgccct 300
caaggctgtg acottacagc ctttttacat agcacatcat tcctcctata gggatgaact 360
ttttcctggc acgaaaagta gcccgcctcg gttgaagctt tgcttattgt aacaggcttt 420
tatttccagg taatatgtct ttggaagact taatttgatt anagatatag atattctgga 480
aactaatggt tttttctatg accctgcttt atcaaaaagt aaacattacc tcggccgcaa 540
cccctaaggg gaattccacc acntgngggc ntctatggac caactcgnac caacttgnga 600
atatggct 608

```

<210> 1046

<211> 347

<212> DNA

<213> Homo sapiens

<400> 1046

```

ctgttaaaga gtggaggaca cccttgaccc taacaaggaa aacaaattaa gcctttatgt 60
acaagcaaat ttagagctct ttttaagtgc caaagctatt aattagttaa attaaggcat 120
taaactaatt ctgaattaac atttttataa ccaagaacta aaatgttcaa atttttttct 180
agtacaaaaa aattaaaattt gcttttagtta taaaagagct ctgtcaatat acacaaacta 240
tatacttcag acattcacaa aaatgtgagc agaaggctta tcaaaagaca ttttaatacaa 300
ttagttttca acaacccctt ggtgggtccac atctacaaag atatcca 347

```

<210> 1047

<211> 307

<212> DNA

<213> Homo sapiens

<400> 1047

```

gccaccgaaa gcggacaccc tgactctcag aagcccccaa cgcaccccg gacgagtgc 60
agctattctg cccccagaga ctgcctcaca cccctcaacc agacggccat gactgccctt 120
ttgtgaacac aatgtgaaag aagcctgctg ttgtactgag cgtcgggctg tcacaaggca 180
ctggaagaag ggagcctgct ggtccagagt gtgcgtgtgt atcgggtgtgt gtgtacactt 240
gcatgtgtgt gtgtgatcca gtaggatcct agagacaacc tgtcatactg tttacaaaat 300
tgtgcag 307

```

<210> 1048

<211> 227

<212> DNA

<213> Homo sapiens

<400> 1048

```

tggaagatgg acgcaccctg tctgactaca acatccagaa agagtccacc ctgcacctgg 60
tgctccgtct cagaggtggg atgcaaactt tcgtgaagac cctgactggg aagaccatca 120
ccctcgaggt ggagcccagt gacaccatcg agaattgtcaa ggcaaagatc caagataagg 180
aaggcatccc tcctgatcag cagaggttga tctttgctgg gaaacag 227

```

<210> 1049

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 28, 92, 108, 168, 183, 215, 226, 246, 262, 267, 277, 283,
296, 308, 311, 344, 347, 353, 362, 363, 369, 372, 376, 389,

415, 440, 455, 488, 502, 511, 513, 515, 550, 554, 557, 562,
573, 584, 593, 594, 611, 619, 620, 639, 646, 650

<223> n = A,T,C or G

<221> misc_feature

<222> 657, 669, 679, 685, 689, 693, 696, 700, 706, 714

<223> n = A,T,C or G

<400> 1049

```

tggnaaatTT tgttaaataa ccggaacntt cactttatta gggggccgga aaatTTTggg 60
ggccccctt ctttaggaat gggccattgg cnttccgaag cccgggcncc gccccagtgg 120
gtggaattgg gaattattct ttgccaagaa aatttccgcc cctttaancc gttgggggtcc 180
ccnggcccgga aggtcttga aacaaaaaaa ggaanttccct tggccntttg caaaaaactt 240
caaaancccc ccaccttggc antccnnaat tgggccntta ttnaaccgcg aaaaatngtcc 300
tttcgggntt naaaaaactg ggaagggaaa gtgaaacact tggnaantaa aanaaacccg 360
gnntttgcnt tnggtnaaaa cacacatcna ttttgcacct gggaacccaa aaccnaaatg 420
ggtttgttcg gtgccaccn accaaaattg actantttgt tggacttaac caacaatttc 480
ttgttgtnaa ccacaagggt cncctctttt ncntnggcc aattggggag ggcattgaaa 540
aatccaccgn aaanttnaaa anaaactgga atnataTTTT tggntttggg ccnnttagaa 600
caaaaacccg naaaaaaam aattggaaat aaacttttnc ccttgnaatn ttttttncaa 660
ttaaaactna attttttant ttttncctnc ccngnggggn cctttnaaag gggnaattca 720

```

<210> 1050

<211> 617

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 475, 530, 561, 562, 573, 578, 581, 595, 599, 608

<223> n = A,T,C or G

<400> 1050

```

aaacttccct ctgtggaaga tattcaaaag ccacaagtgg tgcaaagtgt tatggTTTT 60
atttttcaat ttttattttg gttttcttac aaagggttgac attttccata acaggtgtaa 120
gagtgttgaa aaaaaaattc aaatTTTTgg gggagcgagg gaaggagtta atgaaactgt 180
attgcacaat gctctgatca atccttcttt ttctcttttg ccacaattt aagcaagtag 240
atgtgcagaa gaaatggaag gattcagctt tcagttaaaa aagaagaaga agaaatggca 300
aagagaaaagt tttttcaaat ttctttcttt tttaatttag attgagttca tttatttgaa 360
acagactggg ccaatgtcca caaagaattc ctggtcagca ccacccgatg tccaaagggtg 420
caatatcaag gaagggcagg ccgtgatggc ttatttgttt gtattcaatg attgnccttc 480
ccatttcatt tggcttttta gagcagccat ttacaaaaa cagtgtagn tgaaacctgc 540
ttgttgccct tagcaaccaa nnttcaaaat tcntttanaa ncccttttaa aaacnacanc 600
ccttttttag ggtggca 617

```

<210> 1051

<211> 366

<212> DNA

<213> Homo sapiens

<400> 1051

```

aaaacaggta caaaatattg aaatgaccaa cgttacatga tttcaagggt tgcctttct 60
gtgcttttat ctgtcacgac aggaagggtg ggaaagttta tatcgtttat atccttaatt 120

```



```

cacacaggac agggtagatt tccagcaagc ataatcaaaa tctccaagtc ttttgggtcaa 120
attagagctg ccaccatgca cgaggtttta cttaaagggtg tttactgatg aataaaactca 180
cacttctgtg aactggttct tgccttcttg gcagctaact ctttccacct ctctttgttc 240
tgctgaatga tgtccaccag gttgttcttg aaactcttca ggtccactgc tgcaagggag 300
tagtctgggg aataggaccc atcactcoatg gagccttttg tatttgatcg tcttaatgca 360
tcagcaatgt gtaaccccc aatgggtggt gagctgcttg ccacataaga aagaagtttc 420
ggtttttgag gcttntctta taagaagaat aacaattttc tctgttgagt ctgcaaaaaa 480
aaaaaatggt ggcaccttnc cggcnggcc gttcaagggc gaattnca 528

```

<210> 1056

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 357

<223> n = A,T,C or G

<400> 1056

```

ccaccgggat agccgggggt ctggcaggaa tgggaggcat ccagaacgag aaggagacca 60
tgcaaagcct gaacgaccgc ctggcctctt acctggacag agtgaggagc ctggagaccg 120
agaaccggag gctggagagc aaaatccggg agcacttgga gaagaaggga ccccagggtca 180
gagactggag ccattacttc aagatcatcg aggacctgag ggctcagatc ttcgcaaata 240
ctgtggacaa tgcccgcatc gttctgcaga ttgacgatgc cegtcttgct gctgatgact 300
ttagagtcaa gtatgagaca gagctggacc tgcccgggog gccaaaggcg aattcancac 360
acttggcgcc gttctagtgg atccagctcg tccaacttgc gtaatcatgg catactgt 418

```

<210> 1057

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 11, 46

<223> n = A,T,C or G

<400> 1057

```

gatttgtgtg ntgtatgttt aatataacat gacatgcact aggacntctg cttttttaag 60
gcagttccgt taagggtttt tgtttttaaa cttttttttg ccattccatcc tgtgcaatat 120
gccgtgtaga atatttgtct taaaattcaa ggccacaaaa acaatgtttg ggggaaaaaa 180
agaaaaaatc atgccagcta atcatgtcaa gtccactgcc tgtcagattg ttgatata 240
ccttctgtaa ataacttttt ttgagaagga aataaaatca g 281

```

<210> 1058

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 114, 195, 244, 333, 341, 364, 382, 390, 432, 437, 441, 447

<223> n = A,T,C or G

```

<400> 1058
ccctgggtccc cctggccctc ctggacctcc aggtgtaagc ggtgggtggtt atgactttgg 60
ttacgatgga gacttctaca gggctgacca gcctcgctca gcaccttctc tcanacccaa 120
ggactatgaa gttgatgcta ctctgaagtc tctcaacaac cagattgaga cccttcttac 180
tcctgaaggc tctanaaaga acccagctcg cacatgccgt gacttgagac tcagccaccc 240
atantggagc agtgggtact actggattga ccctaaccaa ggatgacta tggatgctat 300
caaagtatac tgtgatttct ctctggcgaa acntgtatcc nggcccaccc tgaaaacatc 360
ccanccaaga actgggtatt angaagcttn caagggacaa gaaaacactt cctggcttag 420
gagaaaacta tnaatgnttg naatcanttt caatat 456

```

<210> 1059

<211> 365

<212> DNA

<213> Homo sapiens

```

<400> 1059
ccagaaggga agtcattccac aaagacctgg ctgccaggaa ctgtgtcatt gatgacacac 60
ttcaagttaa gatcacagac aatgccctct ccagagactt gttcccatg gactatcact 120
gtctggggga caatgaaaac aggccagttc gttggatggc tcttgaaagt ctggttaata 180
acgagttctc tagcgctagt gatgtgtgga cctttggagt gacgctgtgg gaactcatga 240
ctctggggca gactccctac gtggacattg accccttcga gatggccgca tacctgaaag 300
atggttaccg aatagcccag ccaatcaact gtctgatga attatttgct gtgatggcct 360
gttgc 365

```

<210> 1060

<211> 281

<212> DNA

<213> Homo sapiens

```

<400> 1060
cgcgagcgaa cgaccaagag ggtgctcgac tgctagagcc gagcgaagcg atgcctaaat 60
caaaggaact tgtttcttca agctcttctg gcagtgattc tgacagtga gttgacaaaa 120
agttaaagag gaaaaagcaa gttgctccag aaaaacctgt aaagaaacaa aagacagggtg 180
agacttcgag agccctgtca tcttctaaac agagcagcag cagcagagat gataacatgt 240
ttcagattgg gaaaatgagg tacgttagtg ttcgcgattt t 281

```

<210> 1061

<211> 82

<212> DNA

<213> Homo sapiens

```

<400> 1061
ccacaggtga tcctcccacc tttgtctccc aaagtgttga ggtaaaaggc atgagccacc 60
acactcggcc aatctaattt tt 82

```

<210> 1062

<211> 613

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 359, 435, 470, 490, 508, 527, 542, 551, 567, 568, 574, 585,

586, 590, 607

<223> n = A,T,C or G

<400> 1062

```
gttgaataga tgggggatcc agagccaact caggccccc tactcccaa tgatcatcaa 60
cagattgaat tcctaagggc agatgggagc aatgggagcg cttgacctct cagtctcttc 120
acttgcatgc atcatgtgga accgtggcct gtacccaaac agtacctgat gaaagctgcc 180
attacagtat acaactgcac cccaggcctg cctcatacca aatcattctc cttcctttcc 240
aggtacgagt gttccatat ccattttacc accattggca atttgaaagg accatccaga 300
cccccatagg atccacatgg aacacccaga gggttttcca aaagctgact actcccaang 360
tcgtcaccaa gccaggccat atcattaacc ccataaaagc agaagacgtg ggctaccggg 420
tcttctctca ggtcnggacc tgtctgtcat acagaaggaa ttccaaaacn aaatcaccca 480
caccgtcacn aaaaaacaaa ccttcccngg gcgggcccgt tccaaanggg cgaaatttcc 540
ancacacttt ngggggccgt tacttanngg gatnccaact tcggnncccn aaccttgggg 600
gtaaatnatt ggg                                     613
```

<210> 1063

<211> 173

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 156, 163, 167

<223> n = A,T,C or G

<400> 1063

```
gagaattact tcaaattgag taattcagaa aaactcaaga ttttaagttaa aaagtggttt 60
ggacttgagg acaggacttt atacctcttt tactgttaaca agtactcatt aaaggaaatt 120
gaatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangccc ccncccnggg ggg          173
```

<210> 1064

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 372

<223> n = A,T,C or G

<400> 1064

```
ccagcaggcg catgaaggca agttgggtag ccatttcctt ggaagtcact ctttctacat 60
tatattcaaa ctggctgcca gcattgatag tttctcctag ccagacgtgt ttcttgctct 120
tgagctcct ataccagttc ttggctggga tgttttcagg ttgggcccg ataccaggtt 180
cgccagtaga gaaatcacgg tatactttga tagcatccat agtgcacctc tggttagggt 240
caatccagta gtaaccactg ctccactctg ggtggctgag tctcaagtca cggcatgtgc 300
gagctgggtt ctttctagag ctttcaggag taagaagggt ctcaatctgg ttgttgagag 360
acttcagagt ancatcaac                                     379
```

<210> 1065

<211> 280

<212> DNA

<213> Homo sapiens

gagaattact tcaaattgag taattcagaa aaactcaaga ttttaagttaa aaagtggttt 60
ggacttgagg acaggacttt atacctcttt tactgttaaca agtactcatt aaaggaaatt 120
gaatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangccc ccncccnggg ggg 173

<220>
 <221> misc_feature
 <222> 252
 <223> n = A,T,C or G

<400> 1065
 atcagaattg ttgacttgca ttcagaacat aaatgcacaa aatctgtaca tgtctcccat 60
 cagaaagatt cattggcatg ccacagggga ttctcctcct tcatcctgta aaggtcaaca 120
 ataaaaacca aattatgggg ctgcttttgt cacactagca tagagaatgt gttgaaattt 180
 aactttgtaa gcttgatgt gggtgtgat ctttttttct cttacagaca ccataataa 240
 aatatcatag tnaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 280

<210> 1066
 <211> 599
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 392, 443, 453, 464, 474, 539, 552, 580, 581, 583, 592
 <223> n = A,T,C or G

<400> 1066
 aaaggctttt tattaggaac caggggaatg agctgcttat ccctctataa cagtctagag 60
 caggctcatca ggcccaggat ggagagaggt tatcaaaggt gctgtggtgt gctttgctgc 120
 acgtgcttag ggccgtggaag gaaaggtggt ggcaacagag gttggcagga actggtgta 180
 gtcaaaacac caaaatcctg ggggagagcc cctctacctt ccttctaact ccacttgagg 240
 tgggagcatt ccaggagaca gagaatgtga ccaggatgca gcagtgtcat ctgaaccct 300
 ggcttcgttc agtgctaact cacttgccag ccctccactc ttcttgctt ttagtgatta 360
 ggtatttgaa gaactcatac acagaccatg cnatggctgt ggaggggatc tggtaaatta 420
 ctctggctgc ccctcggaac tangcgccc ccctctctga tatnccctg aagnactacc 480
 atctgtatt gctgtatgt tagtcaaacc agactctggg tgacatgttt gaactccang 540
 ggtgggtggg antcactctc cactcaaaga ctgactggtn ncnttgggta ancctcgat 599

<210> 1067
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 1067
 aaaaagtctt ctccagtctt ccaactgtga gtccttgggc ctgttgacaa atgttaaaca 60
 cactgagacg tcttgaactg gatggtagag tcaaaggaaa aacattcccc atttgcaaca 120
 aaggagaaac ccacttgg 138

<210> 1068
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 1068
 aaaattcagc aaaatcatac gccatctacc gtgatgactg ccaactccat ggcagaccct 60
 ttctgggatt caaaaaccaa ttcatcagat cgctgcctct gagggatgta cagattggct 120
 ggggagctga gtgctacaat aaaggaggaa gtaccgggga acagtgcagg gcaaaggcag 180

```

gaaagagatc tgagctgcct ggagatcatc tgggggtgagg agtataaagc tttgcaaggg 240
tgtgggttttg gaatgacgct aaactgaagg tggagagaac agataaaaag gttggaagtt 300
gcac 304

```

<210> 1069

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1069

```

ctgcatatac aattttctaa aagaaaatcc taaagggtggg ttctttattgt atatggaaca 60
gtgaccccaa gtggatttgc acaacccttg ccagagaagt tcattcattcg caaggtcctg 120
ccaaacacat gaagccaagc aaagggtcagt tgcattcagg taggacaaga tggtaaagct 180
tagctcagga ggcaacattt ccaaattaat gaatccttcc tgttctttcg atttccttgc 240
cttcaaaaga tgatatatgt caatgcctcc ttggacttgt ttacgatgat tgggtgttaga 300
aatgttgctc gcagccattc tctgtctctg ctctctgggt aggtagcctt gctcactgta 360
gccttcttgt tgcag 375

```

<210> 1070

<211> 140

<212> DNA

<213> Homo sapiens

<400> 1070

```

gggggtttggt ttgcttttgt ttatatTTTT tcagttgttt gtttttgctt gttatattaa 60
gcagaaatcc tgcaatgaaa ggtactatat ttgctagact ctagacaaga tattgtacat 120
aaaagaatTT ttttgtcttt 140

```

<210> 1071

<211> 366

<212> DNA

<213> Homo sapiens

<400> 1071

```

ctgaaacaaa ttatggatca attacgaaat ctcatctggg atataaatgc catgttggca 60
atgaggaact aagctgatat ttaaatttcc tgcctttacac atgtttatacc attgtttttt 120
ccctcaagta ttttttccct gtgaagaaga ttatttatct gctttttatt tagtcactaa 180
aactaaagtt tttattttta cattgtgatt tttacattaa aatattaact ttttttaagt 240
ctatttttatg aaagattatt gtaataaact ttgatgggtt ttgtattttg gttaatcttc 300
atgaattgaa taattgtttt tttaaagcaa aataaagttt tttaaataaa tggaaaaaaa 360
aaaaaa 366

```

<210> 1072

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 395, 415, 422, 432, 494, 504, 512, 516, 520, 549, 552, 562, 581, 595, 599, 603, 618, 625, 636, 637, 640, 646, 650, 654, 675, 678, 680, 695

<223> n = A,T,C or G

<400> 1072

```

cagaattcta gaaatTTTggc agacagtTga agcctTTtaT tgaacttact ccttcgTtga 60
ctgaaaggag tTTTaaattc tgagctcctg agatactgac tagcaaccat ggaatgaatg 120
tgtgaccaga aagtggcTtt gacaccaagt gctactgtcc cTTtgtaatt ggcttctaac 180
agattcaacc agaaataatt gataatgtga atTTTtgTta attgttcact tgtaggaaaa 240
tagaacatgt atcaccctTT gTtaggtaga catgaactTT tCctgcataa agccttgctt 300
ttagagaatg cccaataagg caagaaaaag catagtaact tgtgctTTga gagctcaata 360
TTTgtatcTt atcagtacag aagaaatatt tctgngtaac ttgatcttct gctangactt 420
gncttatagg gnaccaacac tgaaaactTT tGtagtgatg actaccaaag aaaatccttg 480
taaaacaccc tTtnTTTcca atTngtaaaa anccancccn tggTgctTgt tcatgaattc 540
cttctcaana ancctTTTgga anaaaattaa gggggTtcta ngggTTTtg ggaantTtnG 600
gtngggTttt tctTTTgntt tTtangggTt tTTTtnTtn tTTaantTtn gaanaaaaaa 660
taacccaaaa actTngngn gnacccctta agggngaatt cccc 704

```

<210> 1073

<211> 628

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 417, 419, 439, 483, 515, 518, 520, 548, 554, 572, 584, 590, 591, 600, 611, 623

<223> n = A,T,C or G

<400> 1073

```

aaatTTTtaga aaacctgtat aaattactgg tgcataactt aaagattatt ctgcctTTtg 60
ctaattgagt aattccccctc cagcaactaga gaccgctcag tgctcttact agatgaactc 120
agtaacgcct tgagctgggt tgattgagga tgtgtgaaaa gctcacagag cccgatgcct 180
gctgctattt cacggcaatg agcctTTTtc tTtctacact gaagattTtc tTcttattta 240
atgtggTTta tTTTgggctc agaaataatt gctctgtTga aaataatcct ttgtcagaaa 300
agaaggtagc taccacatca tTTtgaaagg accatgagca actataagca aagccataag 360
aagtggTTtg atcgatatat taggggtagc tcttgatttt gTTaacatta aaataangng 420
actTTTcccc tgctTTTtang aataaaatca aagatacttc tatattTtat cctatagaca 480
tantattata aatgtagtga gtctgctggg actcntgngn aagaacctga atatagatat 540
agaaacanta tTtnTaaactg gtgcggatca anagactaat atanaacttn nttggaaatn 600
actctTTTaa nctTTTttga acngggga 628

```

<210> 1074

<211> 162

<212> DNA

<213> Homo sapiens

<400> 1074

```

aaatTTTtca tTTtattcaa agTTggTaca gaattgctaa catttccata aaataattac 60
tatacttcag ttacaggaca aaataaccaca gaaaggaatg tactTTtgcaa gaaatgtagt 120
tcatcttaag tTtccaaata cTTTtgaaag ctaatgcagc ag 162

```

<210> 1075

<211> 157

<212> DNA

<213> Homo sapiens

<400> 1075

```

ctgcaaacca gggaggaaaa tcctctggcc cctgctctga ggacagacat gtgctaccag 60
gccactggc ctggacctga aaggccagcc acgccccgc ttggccctga ggtgcatggg 120
gtgtggcaca caccctaacc tgtgctattc accttgg 157

```

<210> 1076

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1076

```

aaatgtaggt ggcgtatgtg ttcgtgtttt aatgtattca gagccattgg gcaataagca 60
gtccagaaca ttgaaaactc aagcaggtaa agcacctaac acccttagtt tctagaatta 120
ctttaaaaaa cttttatatt gctgcatctt ccacagttct ttgggtagtc tctgaactta 180
aaattttagt gagttgtaga ctacctaaat ttttaagtta tggatattgt tcataggttg 240
taggggtagg taaagaagga aacagacaag aaaatggctt cttgaggtgg cag 293

```

<210> 1077

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 427, 445, 468, 494, 532, 550, 561, 565, 570, 572, 579

<223> n = A,T,C or G

<400> 1077

```

aaagntatth tagtcatgaa atthttatatg cagagagaaa aagttaccga gacagaaaac 60
aaatctaagg gaaaggaata ttatgggatt aagctgagca agcaattctg gtggaaagtc 120
aaacctgtca gtgctccaca ccagggtgtg ggctctccca gacatgcata ggaatggcca 180
caggtttaca ctgccttccc agcaattata agcacaccag attcaggagg actgaccacc 240
aagggatagt gtaaaaaggac atthttcccag ggctacctta tcaaggacgg caagctgac 300
aagaacaatg cctccactga ctatgacctt tctgacaaga gcatcaacct tctgggtggc 360
tttgtccact atggtgaagt gaccaatgac tttgtcatgc tgaaaaggct gtgtggtggg 420
aaccaanaag cgggtgctca ccctnccgaa gtcttctgtg tgacagacnaa gcggcaggct 480
ctggaaaaaa tganttagt tcttgaaccc ctccagttga ctgccggcgg cntcaaaggc 540
aatcaccacn tgcgcgtcta ngganactn gncactggna tatgcta 587

```

<210> 1078

<211> 377

<212> DNA

<213> Homo sapiens

<400> 1078

```

ccaggagata gagcacaata ggagagatgc tgaggaaact gcgggaagag gtaaaactgga 60
gcccatagtc catttgctcc cagtgtgtca gtagccgagc ctttctctgg tcaggagtct 120
caaagggtgt ccttttcacc gtatgaagga agacatacgt agccagggtta tggatgacgt 180
tggtcagggt ccagacaaca ggaatgctga agaaggggat gctgagtaga accatatgca 240
gcaatcctac caagatgatg taggocagcc agatgcctcg gctattcatc actcgggtgt 300
tggggtttac ttcgtgtgtg gccaccccca cattcactct gccagctcag atccccgtcc 360
ggctatgggc gcggcgc

```

<210> 1079

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1079

```
atcagacaag gcaaagcgaa attggtcatt ctcgctaaca actgcccagc tttgaggaaa 60
tctgaaatag agtactatgc tatgttggct aaaactgggtg tccatcacta cagtggcaat 120
aatattgaac tgggcacagc atgcggaaaa tactacagag tgtgcacact ggctatcatt 180
gatccaggtg actctgacat cattagaagc atgccagaac agactgggtga aaagtaaacc 240
ttttcaccta caaaatttca cctgcaaaacc ttaaacctgc aaaattttcc ttttaataaaa 300
tttgcttggt tt 312
```

<210> 1080

<211> 307

<212> DNA

<213> Homo sapiens

<400> 1080

```
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcgagg cagcgctcat tacgattcgc 120
ctgcttgctt ctctgttca atcgtttctt tgggaaggcag tggatttttc tcttgctct 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg ggtttgctcag 240
acatgggttg ggaggaaaag cgaagcgagg cgacagagta cgagcgaagt ctggtctgcg 300
cagtggc 307
```

<210> 1081

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1081

```
aaaaacaaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60
ttatatataa catacataca cacaatcttt ttgcttatta taatacagac ttaaattgtac 120
aaagatgttt tccacttttt tcaattttta aacacaacag ctataaacct gaacacatat 180
gctatcatca tgccataaga ctaaaacaat tatatttagc gacaagtaga aaggattaaa 240
tagtcaaata caagaatgaa aaacgcagta catagtgtcg cgaactcaaa tcggcattta 300
gatagatcca gtggttt 317
```

<210> 1082

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 346, 361, 381, 389

<223> n = A,T,C or G

<400> 1082

```
gggcggcggc gcggtttttt atggtgacac aaatgtatat tttgctaaca gcaattccag 60
gctcagtatt gtgaccgagg agccacaggg gacccacgc acattccgtt gccttaccg 120
atggcttggtg acgcgagag aaccgattaa aaccgtttga gaaactctc ccttgctctag 180
ccctgtgttc gctgtggacg ctgtagaggc aggttggtg tggecagtc gtcctttctt 240
tattctggca ggctttggtt tggggatgta ctgattattt gcctgggtact cgagttcttt 300
acggaagtag tgaattgctt tgtttacctg cccggggcgc cgctcnaaag ggccaattca 360
```



```
ncacactttg gcgcgtacta ntggatccna ctccggaccaa cttgcgtaat catggcatac 420
tg                                                    422
```

```
<210> 1083
<211> 162
<212> DNA
<213> Homo sapiens
```

```
<400> 1083
ctgctgcatt agccttcaaa agtattttgga aacttaagat gaactacatt tcttgcaaag 60
tacatttcctt tctgtgggtat tttgtcctgt aactgaagta tagtaattat tttatggaaa 120
tgtttagcaat tctgtaccaa ctttgaataa aatgaaaaat tt                    162
```

```
<210> 1084
<211> 579
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 427, 454, 457, 481, 534, 539, 548, 551, 555, 558
<223> n = A,T,C or G
```

```
<400> 1084
aaagttatatt tagtcatgaa attttatatg cagagagaaa aagttacoga gacagaaaac 60
aaatctaagg gaaaggaata ttatgggatt aagctgagca agcaattctg gtggaaagtc 120
aaacctgtca gtgctccaca ccagggtgtg ggtcctccca gacatgcata ggaatggcca 180
caggttttaca ctgccttccc agcaattata agcacaccag attcaggagg actgaccacc 240
aagggatagt gtaaaaggac gttttccag ggctacotta tcaaggacgg caagctgac 300
aagaacaatg cctccactga ctatgaccta tctgacaaga gcatcaaccc tctgggtggg 360
ctttgtccac tatggtgaag tgaccaatga ctttgtcatg ctgaaaggct gtgtggtggg 420
aaccaanaac cggtgctccc ctccaagtc cttntgngca acaaacggcg gctctgagaa 480
natgacctta gttcttgccc cctcaattga ctgccggcg cgtcaggcaa tcanccctng 540
gcgtctanga ncacnecgna cttgcgatat gctatgttt                    579
```

```
<210> 1085
<211> 334
<212> DNA
<213> Homo sapiens
```

```
<400> 1085
aaaactttctc caatacatta aaactttttt tctcgccaca tagcacttct ttcttgccctc 60
tttcattttct gctcctggtg ttgcctgcct cctgcaagac ccagatgaag aaaccttttct 120
aatggctcgag atctgagact tggagctgga ggggctgaag gcttgaagga aggtggttac 180
tggtcaaaaag gagaagttca tttgcacaaa aatataaaact ggggaggatg agaccagcac 240
atacacgtat ggattgatct acaatccata taaaaaaaata gacccaaatt gtcattttac 300
atttgcaata ttatacaaaa taatatatat tttt                    334
```

```
<210> 1086
<211> 235
<212> DNA
<213> Homo sapiens
```

```
<400> 1086
```

```

aaagctggct caagactggc ccaggcataa tactgtcaat ctaaaggtaa cgggcaacat 60
caaaaagtac atctcaaaag aatcaggctt aaagataaac aggagaactg gaaatatcta 120
agagtaagaa gtgtaaacaa tagaaaagag gtagggttta gggtttctcat cttgggattt 180
ccccaggtct tcaagcttct atccttcctg ggttctgggt catgggcctc cagat 235

```

```

<210> 1087
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<400> 1087
gacaaagaag cgaaaagtag atggtttgag cacagaggca gagcagccct tcattccggt 60
agaggtgctc gtagacctgt tcctcaagga aggtgcctgt gatgaattgt tctcctacct 120
cattgagaaa gtgaagcgaa agaaaaatgt actacgcctg tgctgtaaga agctgaagat 180
ttttgcaatg cccatgcagg atatcaagat gatcctgaaa atggtgcag 229

```

```

<210> 1088
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 16
<223> n = A,T,C or G

```

```

<400> 1088
ccattacaaa gacacnggaa tatgttaaga agtgaggggc aggatgaaat catctagggt 60
aggatatttag agggagggcg ccgtgcaaaa taaaatcctc actatgaaac aaaggcggag 120
gcaggaggct gcgttaggtg gaagcagcgg aggaaggaga cgaaagggat tgtcattttc 180
atgtcgtggc tttttagaag acagccatgt cctctactct gattctatca aaatgtgttc 240
tcgggggtgct ggtaacgttc agccaacgaa ataattccta tggcggcagt aggaataaca 300
aaacgcggaa gcgggaacga tgtcttttta ttcc 334

```

```

<210> 1089
<211> 573
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 425, 434, 449, 473, 475, 512, 525, 537, 549, 556
<223> n = A,T,C or G

```

```

<400> 1089
ccagagcagg agggagacag aggggaggca ccacacactt tgaagcaacc agatgtgatg 60
aggactcaat atcaggagaa cagcactgag cgggtggtgc taaaccgttt gtgaggactc 120
tgccccataa tcccatcgcc tcccaccagg gggttacat ttcaacatga gactcggatg 180
ggacacagat ccaaaccaca tcaatagtgc ttctatgctt ttgattatct tttgtaacta 240
tgtttattgaa ctataattta cataccatac aattcaccaa cgtaaagtgt gtaattcaat 300
ggtcttaagc atattcagag ttgtgtgacc atcgctacag tcaatttttag gacattttta 360
tactgcaaa agaaagacct caatcttccc attccttcca tcccgaacaa accctaattc 420
acttntctta tatnggagaa tttgcttant tctggacatt ttaccttgcc ccngngggcc 480
gcttcaaagg gcgaaattcc accacacttt gnggcgggta cttantggat cccaacntcg 540

```

gtaccaanc ttggngntaa atcatgggca tta

573

<210> 1090

<211> 290

<212> DNA

<213> Homo sapiens

<400> 1090

```
cccagaccag gaattcggct tcgacgttgg ccctgtctgc ttctgtgtaa ctccctccat 60
cccaacctgg ctccctccca cccaaccaac ttcccccca acccggaac agacaagcaa 120
ccaaaactga acccctcaa aagccaaaaa atgggagaca atttcacatg gactttggaa 180
aatatttttt tcctttgcat ttatctctca aacttagttt ttatctttga ccaaccgaac 240
atgacaaaaa accaaaagtg cattcaacct tacaaaaaaa aaaaaaaaaa 290
```

<210> 1091

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1091

```
ccacatcggc agggtcggag ccctggccgc catactcgaa ctggaatcca tcggtcatgc 60
tctcgccgaa ccagacatgc ctcttgctct tggggttctt gctgatgtac cagttcttct 120
gggccacact gggctgagtg gggtagacgc aggtctcacc agtctccatg ttgcagaaga 180
ctttgatggc atccaggttg cagccttggt tggggtcaat ccagtactct ccactcttcc 240
agtcagagtg gcacatcttg aggtcacggc aggtgcgggc gg 282
```

<210> 1092

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1092

```
ccaagttaat gaggtcacgg ccagagcggg ggagaactcg actgcataga ctgagaccatc 60
cggaccaacg atgccagaga catgggagac cgtggtgccc gaggcagccc cgaggtagag 120
aaccttagcc cccggtttga tgtggatctg gtccacacca cccaggattg ctgctgctag 180
cttgagcggg aaggggttcc aggctcggta ctcaattttg tcatctcctt cggaaatcga 240
gactctctt 249
```

<210> 1093

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 276, 297, 311, 350, 357, 361, 363, 367, 386, 413, 418

<223> n = A,T,C or G

<400> 1093

```
aaaaataaga aaatacataa gaccataaca gccaacaggt ggcaggacca ggactatagc 60
ccaggtcctc tgatacccag agcattacgt gagccaggta atgagggact ggaaccaggg 120
agaccgagcg ctttctggaa aagaggagtt tcgaggtaga gtttgaagga ggtgagggat 180
gtgaattgcc tgcagagaga agcctgtttt gttggaaggt ttggtgtgtg gagatgcaga 240
ggtaaaagtg tgagcagtga gttacagcga gaggcngaga aagatagaca tgagggnaag 300
```

```

ggccatgctt naagggacct tgaatgggta aagaagtttg atatttaagn agttaanaat 360
ntntatntct ccaaaagagg ctggtncctt gggaccttcg gttcttacca ccnttaangg 420
cgaatt 426

```

<210> 1094

<211> 211

<212> DNA

<213> Homo sapiens

<400> 1094

```

aaacattgtc taagaaaata tgatctatga agacattaat acattaataa gatacttaag 60
agttcattat aagctacaac actttgcaaa taagtatcca gtttaattgt aacaaaccac 120
aatttgtgag caaatttaag aatataaaaa acattaatta gttaaatata attctctggg 180
aatatacatt atacctacag acctgcccgg g 211

```

<210> 1095

<211> 437

<212> DNA

<213> Homo sapiens

<400> 1095

```

aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa attttttaaa aaatacacca cacgatacaa ctcaatacag 240
gagtatttct tctcaaattc ttctagcacc atcaacattc ttcaagtatc tgaaatacta 300
ttaattagca cctttgtatt atgaacaaaa caaaacaagg acctcagttc atctctgtct 360
aggtcagcac ctaacaatgt ggatcacact catggggaaa gtgttttgag gtagtttacc 420
tcggccccgg acccacg 437

```

<210> 1096

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1096

```

caggtctttc tttatataat cgtttgcatt ttgttacttg ctacctgag tactttcagg 60
aagactgact taaatatctg gggtgagtaa gtagttgggt ataagatctg aacttttcat 120
ctgcagaggc aagaaaaata tttgacattg tgacttgact gtggaagatg atggttgcac 180
gtttctagtt tgtatatgtt tccatctttg tgataagatg atttaataaa tctcttt 237

```

<210> 1097

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1097

```

aaaacattgt caggtgaggc aaatgcacaa gtaatagaaa gcaaagggca aggttccactg 60
aatcacagca gtcagaagaa agtgcttttag ggaaccaaga gattgtttcc agcctgaaga 120
ggcatgggtg gcaaatacaga aaaggggatt gagattaata tagaagactt cagtctggat 180
tggttatgac actcagtatg gactatatat gtctctcctt ttctttctc cccatctttg 240
ggcttaattt acatgtagtg cccaggactg ttcaatgcgc ctgcaattaa accaagg 297

```

<210> 1098

<211> 543
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 349, 428, 492, 513, 532
 <223> n = A,T,C or G

<400> 1098
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct ggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatata aacaatggca gcacaccag acttcaagaa tttagggcca 300
 tcttccagct ttttaccaga acggcgatca atcttttctt tcagctcanc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaatata gggggcatag ccggcgctta tttggcctgg 420
 atggttanga taatcacctg acagtgaacc agactcggcc gcgaccgct aagggcgaat 480
 tccacacact tngcggcgt tcttatggat ccnactcgga ccaacttggc gnaatatggc 540
 ata 543

<210> 1099
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 1099
 gcagaggcta cgccgtctgc aggacaggtc cctcgcccag cccatcacca ctgaagaggt 60
 ggtcatcgcg gccacattgc agggcccttc cacatccgcg ttgcctccc ttcaggactc 120
 cccccggct cccggacgcc ag 142

<210> 1100
 <211> 697
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 542, 568, 574, 595, 620, 636, 652, 676
 <223> n = A,T,C or G

<400> 1100
 aaaatgtagc aaagagtcac ttactactct cagaagtggc acatacatgg catagaaaac 60
 aatctatagt cagttaacta ttaaaacaga aacttgaaat ttaagtgaca aacattttgta 120
 gcactcccta aagaaatagg aaataaaaat gcatattatc atatgaactt gattattctg 180
 aattactgac tataaaaagg ctattgtgaa agatatcaca ctttgaaaca gcaaatgaat 240
 tttcaatttt acatttaatt ataagaccac aataaaaagt tgaacatgag catatctatg 300
 catttcacag aagattagta aaactgatgg caacttcaga attatttcat gaaggggtaca 360
 aacagctctt accacaattt tccatggctc ttatccttca aaataaaatt ccacacacta 420
 tcaaaactaaa tcaagatttg ctagtggata aaattaccat aaatatcccg tactctctct 480
 gaaacagcta caaacatctt ggtttttgca aaaatatata atgggtttct aatctttctg 540
 gnccttatct caatttggca aaaaatantt ttgnaaacaa atcttctctt taaanggtaa 600
 ttcttggtaa aagaagggcn aaatcttttt aaaatncccc atgcttaaaa tnttgacctt 660
 gcccggggag ggccgnttta aagggggaaa ttccaaa 697

<210> 1101
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 372, 397, 405, 419, 445
 <223> n = A,T,C or G

<400> 1101
 aaatctcaga cctgggaaat ggactataca cagccttcta ggggagaaga gaaatgcctt 60
 agatgttctg acagcactgc acctttggct tgttttcagt ggttggtgga acatgaatag 120
 gaaccacatt gttgcttgga gacatgtcat tttcgcgctc gtctgacatt tgcttctgag 180
 aaacaatgcg gtaaattctc gttaaaattg tctgaaaagc agcttctaca tttgtagagt 240
 ctagggccga agtttcaatg aatgacaaac cattcttttc tgcaaaaagct cttgcttcat 300
 ctgtaggaac tgccctgaga tgacgtagat cactcttatt gccacaagc atgacaacaa 360
 tgttactatc ancatgatct ctcacctgcc gggcggnogt cgaanggcga attccacna 420
 cttgccggcc gtactaatgg atccnactcg gaccaacctt ggcgtaatca tggcata 477

<210> 1102
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 210, 222, 226
 <223> n = A,T,C or G

<400> 1102
 gtttaatgtg ttgtaagacg tagagtttat ctcaagctgt taaaaatggt aatgtacaaa 60
 tgtgaataga cacttatcta tataatatgg gtaagttttg tttgcctat aatagatgtt 120
 tataaaaaaca agtgagggga cagttgggtc ttttatcttt tctttctttt tctttctttt 180
 cttttttttc tttttttttt ttttttttgn cccccccggg tnoocnttt 229

<210> 1103
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 1103
 aaactactga actgttacct aggttaacaa cctgttgtag tatttgctgt ttgtccagtt 60
 caggaatttt tgttttgttt tgtctatatg tgcggttttt cagaggaaat ttaatcagtg 120
 tgacagaaaa aaaaatgttt tatggtagct tttacttttt atgaaaaaaaa aattatttgc 180
 ctttt 185

<210> 1104
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 1104

```

aaaacaggca caagtgcaaa caattcacaa aaattttctag ggaagatgct tttgttttga 60
aaactctgac ccttaaaaaa aagtccttgc aattttctttg cccccaggta ggtcactagg 120
gagcagaaga atctaaaaat attatctaga tagaaagggt ccagacacct gaagttcttt 180
cctggaattc catctcacag cagccctgaa gtggggcagg gccgaggagg acaaggagac 240
agcagctctgt ggaggcag                                     258

```

```

<210> 1105
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<400> 1105
aaacatctca catatacaaa ataggtacaa ttttaattttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aacctatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa atttttt                                     207

```

```

<210> 1106
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 453, 459, 464, 470, 490, 495, 502
<223> n = A,T,C or G

```

```

<400> 1106
ccaccgcgtt tgctggcctg gatctcccca ctctaggggt caggctccat taggatttgc 60
cccttcccat ctcttccctac ccaaccactc aaattaatct ttctttacct gagaccagtt 120
gggagcactg gagtgcaggg aggagagggg aagggccagt ctgggctgcc gggttctagt 180
ctcctttgca ctgagggcca cactattacc atgagaagag ggctgtggg agcctgcaaa 240
ctcatgtctc aagaagacat ggagaccctt gccctgttgt gtatagatgc aagatattta 300
tatatatatt tggttgcaat attaaataca gacactaagt tatagtatat ctggacaagc 360
caacttgtaa atacaccacc tcactcctgt tacttaccta aacagatata aatggctggg 420
ttttagaaac ataaaaaaaa aaaaaaaaaa ttnggccgna accnccttan ggggaaatcc 480
accactggn ggcncttact angggatcca actt                                     514

```

```

<210> 1107
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<400> 1107
ctcgaatccc cctagggctc aggactgag ggctgggga cagtggagca tatgggtggg 60
agacagatgg aggttaccct atttacaact gagttagcca agccactgat gggaatatac 120
agatttaggt gctaaaccgt ttattttcca cggatgagtc acaatctgaa gaatcaaact 180
tccatcctga aaatctatat gtttcaaaac cacttgccat cctgttagat tgccagttcc 240
tggaaccagg cctcagactg tgaagtatat atcctccagc attcagtcca gggggagcca 300
cggaaaccat gttcttgctt aagccattaa agtcagagat ggaaaa                                     346

```

```

<210> 1108
<211> 215
<212> DNA

```

ctggcatgaa gaaggaatag agcatggaca cgccctggga cagcatgggtg atctctaatt 60


```

tgtgtctctgt cttaaaatag tctgaggaact gtttgagggt catctcctca ccattaggct 120
gcagcccttg tacctcaaag cgatcccaca atgtccactc ttgggttatag tactgggtgac 180
gtgggtgctggc aaggggttca gagaaaccaa agaaaggcag ggccaagttg aggaaaccat 240
tctttagtagga gtcaagctgt cgggtgcccct gcacaacctt gtacagctcc agacacacaa 300
ggccaaccac ggctgtctgtg gtcgtggcaa tggctgggat gatcttccct gcaatcagct 360
tgctcttctg cccg 374

```

```

<210> 1113
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 133, 135
<223> n = A,T,C or G

```

```

<400> 1113
ctggcacctg cctcccaggc cattctgacg tgtaaccgca tataggagcc cactgggtga 60
gtagctacca tcctgctggt tggggaaact ggtggtagggt gtgtgagggt aagtgggggt 120
gtcagcccg cangnggtcg gaa 143

```

```

<210> 1114
<211> 335
<212> DNA
<213> Homo sapiens

```

```

<400> 1114
aaaagtccaa caacttttta atataaatta cgactctcaa acccattccc atcaactttat 60
tagtgatggt agcatacata ttagagaagg tagctaaagg caagagagca ccaaaggaaa 120
aagactgtcc aaagaacagg tattagaatg aggccgaaga tcacggtgac cagagatttc 180
taggagtctc taacctttcc accctatcct gttaacctt tagatctota gtataacact 240
caggctactg aggtatttta gagcaacaag ctgggttact ttcagagcaa ccagcttgac 300
tggaactgag agtaaatggt gaatgtatga ccaat 335

```

```

<210> 1115
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 421, 422, 452, 467
<223> n = A,T,C or G

```

```

<400> 1115
gactaccttt ggcccctgat tcaagagaag attaaagttc tggcagaagc cgggctttct 60
gagaccaatt tttcagaaat gacagaatcc actgattacc tctacaagga ccaaagcag 120
cagaagatct acgacctatt ccagaagtcc tttgagaaag aaggaagtga tatggagctc 180
ctggaagcag cagagtcctt tgacctcagg agtgcttcag gaacatctgg aagtagttcc 240
cagaacatgg gagacacct ggatgaaagc tcattgacag ccagtccaca gaagaaaagg 300
agatttgaat tttttgataa ctgggacagc tttcgtctcc ctgtaaaagg ggcaaaaaga 360
aaaaaataaa aaagcattta ccttgcccgg cagccgctca aggcgaattc agcacacttg 420
nngccgtact agtggatccg acctgggacc ancttgggcg aaacatnggc ataactgg 478

```

<210> 1116
 <211> 563
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 476, 499, 520, 533, 557
 <223> n = A,T,C or G

<400> 1116
 cgaggtaaaa caatttacct cagaattcca agttgaagtt cccaaagtat attaaaaact 60
 tctcaaatca ttaatttgaa tcagatgttc caaatcaaag gaattaaata ctctttttct 120
 gggccaattg ataaatctga aactattttg aaatagtatt aagtgcaga aaagcaaaaa 180
 tatacttttg ccttgctctg atatttttagc atgtacattt ttggtccaag gctggaatat 240
 acaatttagaa ataaaagcct tcttcacat aaagccttagg atataaatta ttctgaggaa 300
 tgaattccct aattactttt agttaattcc agtgaaaataa gcaaacagcc ttggatattg 360
 aaaactgttc taaagtgtgg taataatcct ctaagaatag caaacataac agaattaact 420
 gagtatctga tgcttgagta ttttgctgtg cctgacaatc attatttacc tgcccnggcg 480
 ggcgctcaag ggcgaaatnc aacacacttt gcggccgctn ctagtggaat ccnaactcgg 540
 taccaaacct tgggggnaat cat 563

<210> 1117
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 1117
 aaattttctta atatgagaaa acaacaaggt aggttaggtt cgtataacaa acaatacacg 60
 ctctataaag tctcaggaat acccaaagt gttctggttt ggatatgaaa gagggaccac 120
 ttctagctgg tgttggttaag caagccaatg aggtgtgcag caaacaaaac ctgtcactaa 180
 aaacaactca acaggccatt atgagtatga gcccatcaca gccaaaatcc tcaactgtga 240
 ccggcaggac cagcaagggg ggggtgtgaa ggggttatga acagcaacca taaagaaagg 300
 aatctccaac agaagggaca atgg 324

<210> 1118
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 1118
 tcttgggggc tgtttctggt attttacaac attgctaagt ggaatgcatg aattgcatta 60
 tgttctctgg taacacgtag agttcagacc cttctgaact ctgttgataa taccacacca 120
 tgttctggac ccatagtctt ggcacacctc ggggttgtga tccagctcca tatattgttt 180
 accttcaaag atacaattaa atggcttgat tttt 214

<210> 1119
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 1119
 aaaaaactga ccttccctta aggcttggtc atagaagtgt aaacaatgta aatgaatcca 60

```

ccattaccag ttgtcatatc atatctatgt cacctgtgta ttctgagatt acacacatac 120
ctgccaatat acctgggaaa ggttatTTTA tcacagttac acttgagttc ttggcaggca 180
ggactgagga agagtaattt gaaagaagct ttacatccta tttagaagaa atcactagta 240
tttccttaaa taacaggtta caatagaaag atactgcctg gaagttatcc tttcactttg 300
gttcattttt agtttttctt tatgatttac atagctgttt aattcatttg cttta 354

```

```

<210> 1120
<211> 123
<212> DNA
<213> Homo sapiens

```

```

<400> 1120
aaaactcgag gactgtatTT gtgactaatt gtataacagg ttatTTtagt ttctgttctg 60
tggaaagtgt aaagcattcc aacaaagggt tttaatgtag atTTTTTTTT ttttgcccc 120
cat 123

```

```

<210> 1121
<211> 433
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 235, 346, 358, 363, 369, 390, 403, 406, 415
<223> n = A,T,C or G

```

```

<400> 1121
cctcgagggga gattgccagc accctgatgg agagtgagat gatggagatc ttgtcagtgc 60
tagctaaggg tgaccacagc cctgtcacaa gggctgctgc agcctgcctg gacaaagcag 120
tggaatatgg gcttatccaa cccaaccaag atggagagtg aggggggttg ccttggggcc 180
aaggctcatg cacacgctac ctattgtggc acgggagagt aaggacggaa gcggnTTttg 240
ctgggtggtg ctggcatgcc caatactctt gccatcctc gcttgcctgc ctaggatgtc 300
ctcttgttct gagtccagcg gccacgttca atcacacagc ccttgnTTtg acctcggncc 360
gcnaccacnc ttaagggggcg aaatttccan cacacttggc ggnCGnttct taagnnga 420
cccaaacttc ggg 433

```

```

<210> 1122
<211> 576
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 454, 480, 488, 489, 547, 555, 564, 569
<223> n = A,T,C or G

```

```

<400> 1122
aaatgtTTta cttctTTtgat aaagcagagt acaatagaaa aaaaacaatt agtttccagt 60
aatatctata tctctaata gaattaagtc ttccaagaca tattacctgg aaataaaagc 120
ctgttacaat aagcaaagct tcaaccagag cggctacttt tcgtgccagg aaaaagttca 180
tccctatagg aggaatgatg tgctatgtaa aatggctgta aggtcacagc cttgagggca 240
ttggaagtat attatcctat tccacattaa gtatttcagc gaatttcaaa catcagttta 300
tctgcaacca tgctggcaac ctttactgat atttcaatca accgggaaaa aataaattaa 360
agaaatccct tcaaggatat tcccgtgatt tacactgtta aaaggtgcac tgttcattaa 420

```

```
<400> 1126
gggaaaagta actcgggccc atggaaacag tggcatggtt cgtgccaaat tccgaagcaa 60
tcttctgtct aaggccattg qacacagaat ccgagtgatg ctgtacccct caaggattt 119
```

<210> 1127
 <211> 214
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 70, 148, 158, 159, 165, 201, 203
 <223> n = A,T,C or G

<400> 1127
 tgccccgtgcn ggtgccattg ccccatgtga agtcactgtg ccagcccaaa acactgggtct 60
 cgggccccgan aagacctcct ttttcaggc tttaggtatc accactaaaa tctccagggg 120
 caccattgaa atcctgagtg atgtgcanac cttggcgna ccacnctaag ggcgaatttc 180
 aacacactgg ggggcgtact nnggatacc aaat 214

<210> 1128
 <211> 591
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4, 5, 15, 26, 37, 38, 45, 62, 97, 121, 125, 309, 335, 364,
 447, 468, 519, 538, 544, 549, 551, 562, 580, 583
 <223> n = A,T,C or G

<400> 1128
 tganntcaga cccgnggata ctctanagtc acctgcnnngc atgcnatgct tgaagcggcc 60
 gncagtgtga tggatatctg cagaattcgc ccttagnggg gtcgcggccg aggtgtacgg 120
 nctgnggtac aagcagactc tgaagatgat cagacaaggc aaagcgaaat tggtcattct 180
 cgctaacaac tgcccagctt tgaggaaatc tgaatatagag tattatgcta tgttggctaa 240
 aactgggtgc catcactaca gtggcaataa tattgaactg ggcacagcat gcggaataa 300
 ctacagagng tgcacactgg ctatcattga tccangtgac tctgacatca ttagaagcat 360
 ccanaacaga ctggtgaaaa gtaaaccttt tcacctaca aattcacctg caaaccttaa 420
 acctgcaaaa ttttctttta ataaaanttt gcttgtttta cctgcccngg cgggcccccg 480
 ggcagggtgt tttgttaaaa aaaaattctg acaaatcana aaatgggggg tcaaggantg 540
 gtgntgatnc naaaatgga anccattggg tgggggcttn tcnggggtgc c 591

<210> 1129
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 1129
 aaaaagattg tgtgtatgta tgtttaatat aacatgacag gcactaggac gtctgccttt 60
 ttaaggcagt tccgttaagg gtttttgttt ttaaactttt ttttgccatc catcctgtgc 120
 aatatgccgt gtagaatatt tgtcttaaaa ttcaaggcca caaaaacaat gtttggggga 180
 aaaaaagaa aaaatcatgc cagctaata tgtcaagttc actgcctgtc agattgttga 240
 tatatacctt ctgtaataaa ctttttttga gaaggaaata aaatcag 287

<210> 1130
 <211> 131

```
<400> 1133
ggcagggtaaa aagatccaaa tgtgactgag atcattccag cctgcacttt ttattttgtag 60
gcagaaggaa cgggataggt tgaggggcat gacgggggct ctgcgccacct cttgtctgca 120
cctctggaac aggtggggag cgaattcatt aagtcctacc tggtcagact cccaaccacg 180
ctgaggcagg cccttacctg gatggcctca tgggcctccc tctgaaaag accctcactc 240
```

tgtttggaag agatccctta gcagccataa tcaggaaaga g

281

<210> 1134

<211> 332

<212> DNA

<213> Homo sapiens

<400> 1134

```
ccagtgaacc caccgcgttc tctgatttgc agcaggcttc caggatagct gcttatgcct 60
acagtgcact ttctcagatc cgtgtggacg caaaagagga gctgggttga cagtttggga 120
tcccatgaag agaggggtcc ttggacagct cttctcctct cttcatccca tctctacccc 180
acccctttgg ccccccagct cactgaggct tatacagtac cctaacctgc tactaatcac 240
agagaaaaat gtgaagaagg aggagaagag gaaggctaga agcctgagca agtgagggtg 300
gaaccttttg ggactggcct ttgaagctct gg                                     332
```

<210> 1135

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1135

```
ctgcccgaat ggagaataag cagacctggc tcagacatga atcatgtgct tgggtgtactg 60
cagatgccaa actgcatccc cacaacccac cacgtagaca gcagacaggg ctggaagttg 120
atTTTTaatg ataaagtaca atgaaggag ggagagggg ctaagcctag ctgtctgggg 180
tgctgtgggt gtggttagact ggctacacaa actgttgctg ctgctgctgc ttcttgggtg 240
ccgccttget ggagaggtcc ttggccttct ctgtagctgc cagtgcctgc tcctttgcct 300
tctccttggc ttcctt                                     316
```

<210> 1136

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 342

<223> n = A,T,C or G

<400> 1136

```
ggatttcaaa atcaacaccg atgagattat gacttcactc aagtctgtta atggacaaat 60
agaaagcctc attagtcctg atggttctcg taaaaacccc gctagaaact gcagagacct 120
gaaattctgc caccctgaac tcaagagtgg agaatactgg gttgacctta accaaggatg 180
caaattggat gctatcaagg tattctgtaa tatggaaact ggggaaacat gcataagtgc 240
caatcctttg aatgttccac ggaaacactg gtggacagat tctagtgtcg agaagaaaca 300
cgtttggttt ggagagtcca tggatggtgg ttttcagttt anctacggca atcctgaact 360
tctgaagat gtccttgatg tgacag                                     385
```

<210> 1137

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1137

```
cgcgagcctg agaagaggcc cccacccgtg gtgtccaata cattcactgc cctgatactc 60
```

```

tcgccgttgc ttctgtcttt cgctctgtgg atccggattg gtgccaatgt ctccaacttc 120
acttttgctc ctacgacgat tatatttcac ctgggacatg ctgctatgct gggactcatg 180
tatgtctact ggactcagct caacatgttc cagaccttga agtacctgg 229

```

```

<210> 1138
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 9
<223> n = A,T,C or G

```

```

<400> 1138
aaaacccana cttccaaagg tttaaactac ctcaaaacac tttcccatga gtgtgatcca 60
cattgttagg tgctgacctt gacagagatg aactgaggtc cttgttttgt ttgttcata 120
atacaaagggt gctaattaat agtatttcag atacttgaag aatgttgatg gtgctagaag 180
aatttgagaa gaaatactcc tgtattgagt tgtatcgtgt ggtgtatttt tt 232

```

```

<210> 1139
<211> 165
<212> DNA
<213> Homo sapiens

```

```

<400> 1139
cacaatacta atactgtagg aattggtgag gccttgactt aaaactttct ttgtactgtg 60
atttcctttt ggggtgtattt tgctaagtga aacttggttaa attttttggt aactaaattt 120
ttttcttaaa ataaagactt tttcacaatg agaaaaaaaa aaaag 165

```

```

<210> 1140
<211> 191
<212> DNA
<213> Homo sapiens

```

```

<400> 1140
aaaaaatgga cttatctcta ttatacagag ttataatata aaaatgattt aaaggctata 60
tttttcagca ttaggttagc tacactgtaa tcctgttgaa gaaactttcc tatttaagct 120
tataggatga aaatatataa ttaaagtcct ctgatcatag cttgagacca tcaagggaa 180
gtttagtttc c 191

```

```

<210> 1141
<211> 149
<212> DNA
<213> Homo sapiens

```

```

<400> 1141
aaaattaaaa atgttttatt ggctattgcc tttaatatagat ttactacaat aaaggaaagg 60
aatatttttc tcaaagtgtc taataagaaa aagaccagg aaactgaacg atattggaca 120
cagttttcag tgttttagac ataaataaa 149

```

```

<210> 1142
<211> 485
<212> DNA

```


<213> Homo sapiens

<220>

<221> misc_feature

<222> 249, 315, 353, 365, 386, 422, 448, 466, 468, 476, 480

<223> n = A,T,C or G

<400> 1142

```

gccagagcc tggctgccc tcatgtggc ccaccaatc aagggaagaa ggaggaatgc 60
tggactggag gcccctggag ccagatggca agagggtgac agcttccttt cctgtgtgta 120
ctctgtccag ttcctttaga aaaaatggat gccagagga ctccaaccc tggcttgggg 180
tcaagaaaac agcccagcaa gaattaaggg gccttaaggg cacttgggct tgttggttcc 240
atttgaaanc ccgactcttg gcccttggcc ctttactttg ctttcttcta acctcttcta 300
aggccctctt ccaanttttg cacccttgtt cccccaaccc ctccacttcc aanaaccttg 360
ccccnggggg ggcccgccttc gaaaangggc cgaaatttcc aaccaccact ttggcggggc 420
gnttacttag tgggaatccc gaacttcngg tacccaaacc tttgngnta atcatnggg 480
ataag                                           485

```

<210> 1143

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 410

<223> n = A,T,C or G

<400> 1143

```

gtaagatggc ctctgattta cactggttca attacaaat tttcaacttt atgatagggt 60
tatcagggta ctaaatgcat ttcaacttga tagtttcaac ttatgatagg tttaccagga 120
tgtagtccca ctgttgagga gcatctattt aggggttaat tacttttagta ataagtggaa 180
agtaagatac cttgagtaat gtttgccat aaaattgtca gcgtattttt acactatttg 240
ctcaagaatg ttataatgct aaggacata agttggcaac cacttgggtt ttggaaggac 300
tttcggtatt gtattagaag tctgccctag ctgttaaatt tctgggtatt tatcctaagg 360
aattaattaa agagttaatt gttcctttct tcagtgggcc attgttttan atatttacct 420
gccccgggag gccgcctcg                                           439

```

<210> 1144

<211> 263

<212> DNA

<213> Homo sapiens

<400> 1144

```

ccttggttac acaactccag caaccgggcc ccaaatccac tatctgtgca atgcagcaca 60
tggcagcaa tgctattaaa ctgctcttgg agaaattcca ggtttgtccg gatgatgtcc 120
acacctggct gaacctgcac caaggaaaaa ctctcccgca catactcttc tagccccgtg 180
atcaatgtgt ggggtgccat ccggatgtta ctgggtgtgg gtcctgacc acccaggtag 240
tgctggtgga agaaggatcg cag                                           263

```

<210> 1145

<211> 286

<212> DNA

<213> Homo sapiens

<400> 1145

```
cgcggcggca agatggcagt gcaaatatcc aagaagagga agtttgtcgc tgatggcatc 60
ttcaaagctg aactgaatga gtttcttact cgggagctgg ctgaagatgg ctactctgga 120
gttgaggtgc gagttacacc aaccaggaca gaaatcatta tcttagccac cagaacacag 180
aatgttcttg gtgagaaggg cgggaggatt cgggaactga ctgctgtagt tcagaagagg 240
tttggttttc cagagggcag tgtagagctt tatgctgaaa aggtgg 286
```

<210> 1146

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 235, 289, 292, 295, 308, 312, 331, 345, 348, 351, 358, 370, 372, 385, 387, 408, 428, 433, 440, 441, 447, 460, 467, 468, 474, 480

<223> n = A,T,C or G

<400> 1146

```
aaacttgca agtgcaaact tgcaataatt cattgtgccg gttattcaga ccctatatattg 60
gtgcagacac tttggcaaga tatcatagag aaagaattga gtgacagtgt gacattgagc 120
tcctcgata gaatgcatgc tcttagtctc aagattgttc tccttgga aatttatgct 180
ggcacaccac gcttctttcc tttagatttt attggacaag ttttagaacc agcanggttg 240
tactttgaac tgggatgggg gcttctaata caaaccatga atgaaattng antanccttg 300
ctaaactnct anaagttatt atcagtggtc naatcacccg atcantctng nacaaatnaa 360
aaccctgc nnttgatgg taccngnttt tggaaaaatg gtggaaancc accaattttc 420
ctcccgngc ctncaaaggn naatccnccc tgggggcgtn cttgggnncc accnggcca 480
ctggggaaa 489
```

<210> 1147

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 531

<223> n = A,T,C or G

<400> 1147

```
ctttaattaa ggcattggtc ccaacgggtgc acatagatta agggattttg cttccttctg 60
aactagatca tttgttagag gcttcagaaa aagaaaatta gcttgaaatc tagtctggga 120
aattgggggc agggaatgaa aaagtgggtc tcttgtttct ccacgataca caggcttccc 180
atctaaagtc atgcttaact aaaagggaaa aaaaatgaac caagcaaaag tatatagagt 240
agccgtgaca tttgcattat tttctagact ttacatttgc ctgcaacagg cataacatga 300
aactccagag ggaatttgga ttgataggaa tgttcacata aacaccagca gtggctaact 360
gttacacaac attcaaagta ttcgagagaa ctgctggaga cagagagcga gggccacag 420
acacattagc accatactga taggcattgca gcaggatgtt cacctgccgg cggccgcgaa 480
ggcgattcaa ccaactggcg cgtctatgg atccactcga ccaacttggg naatatggct 540
actg 544
```

<210> 1148

$\langle 210 \rangle$	1153
$\langle 211 \rangle$	481

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 295, 337, 338, 420, 425, 429, 434, 439, 441, 446, 454, 457, 459, 464, 474, 476

<223> n = A,T,C or G

<400> 1153

```
ctgacacaga ctangatcga gttctccac ggcttctcta tcccgtctct aatttactct 60
ctgcttttcc ctggaatgtg catgagaaat aaaccttcca aacatttcaa aagtcgcact 120
ttcctccttt attacaacga tgcccatttt taacgacact ctcggtggcc cctgacagct 180
acctggtgag atacacagca tattgtgccc attgaatgaa gatacttctg acaatgaggc 240
tttctcgtga aataaagggt tcccgtctca taaaactgaa aatctttgga aaganctgag 300
tggaatggc ttttgaagaa ggcagtgatt cactaannta tttgaaaact taaggtagtg 360
aagggtagaa aaccaacca aaacaatcaa ggggggaccg actggccctc tgacttttgn 420
tggcnaacna aaanaaatnt ntaancctg gtantcncna aacnaattaa aacnancctc 480
c 481
```

<210> 1154

<211> 688

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 507, 515, 519, 544, 550, 569, 571, 592, 607, 615, 624, 625, 629, 637, 644, 654, 676, 679

<223> n = A,T,C or G

<400> 1154

```
aaaattttta tttgaatgaa atcattgtaa taatcattaa agtgatttga aatagaatga 60
tctctgtgaa aggaagttaa tagcatcact atttatagga gagaaagcag cagaggtatg 120
catccggaag tgaatataac attgtaaaat cagccacat taaataccaa aaaagtaaga 180
accatcaaaa tgcagcatta ttacaggat taaaaagtgt gaacagtaca gagttaaact 240
ttcttatgtg tgaattttga cctgctatgt tgttagcaaa aagctttagt gtttgtataa 300
aatgatgtgt acccttatcc caaccaccac cagatcaaga cacaaaactga caatgattcc 360
ttccttattt tacagcttta ttactgattt cctctaaaa agagactcaa gtgtggagct 420
gactcatcta tagattaagg aatcacaaag taccatagtc acttaacaaa tgcaaaaaaa 480
aaaagcaatg gtttaccttt cacctgntgg gggntgtgnc aatctttcca aaaaagcata 540
ctgngcttcn tgacctgatt tttcaccnt naatttaaaa ccaccttta anctttgggt 600
ctttttnctt caaanaaagc tttnttttnc ctgccgnacc ctangggaat ccncctggg 660
gcgtctatgg tccacncgnc cactgggg 688
```

<210> 1155

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 384

<223> n = A,T,C or G

<400> 1155

```

ccaagagaat gcttatttta gtgttagact tccattctgg caaaatcttg ccttatcaga 60
agacattgga aagagggatt ccctttggtg tttggtcttc tacttagaaa aacctattgc 120
agttagttaa tcttgtagta ttcattcttg tattctgaag ataaggtttg aattaaattg 180
atacacacag aggggaaccg attttttcta tccaatgtga attataaatg agataatcca 240
cagttattca ttgtggagtt gttgagacta tgaaagactc attgtctttg tattcagctc 300
ttaaatagtg taactatata ccacactctg cttgctttct ttccctcccc tccaatgata 360
aagaaaatga taaattttct gtgngcattc aattcttatt ttacctgccc 410

```

<210> 1156

<211> 358

<212> DNA

<213> Homo sapiens

<400> 1156

```

ccatgggtccc agtggtagtg tctttatgct cataagcagt gagggcaact agaggtcact 60
ttcatcatca tctgctggtt tcagcaggct tctccactgc accctgtttt gaccagatcc 120
tgctctgttc aatgggggttg ggaatggaaa ataagtcctt ctggtctcct acctcatttc 180
cccatcagtg attatatact cctccttaat cttaaggggc ttgcagaagg gcggagggtc 240
atcttctgta actgcttcct gctgatgtta tgggcataga ccctgcctag cactggagag 300
gtaaaatccc tggatacctg ttctaaaagg ctcaaaggta ggatgtcttt atcttctg 358

```

<210> 1157

<211> 262

<212> DNA

<213> Homo sapiens

<400> 1157

```

ctgccaaagg gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctccggc 60
ttcccacctt tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagtttg gtcccagggc 180
agcatgatct tcaccttgat gccagcaca ccctgtctga gcaacacgtg gcgcacagca 240
gtgtcaacgt agtagttaac ag
262

```

<210> 1158

<211> 325

<212> DNA

<213> Homo sapiens

<400> 1158

```

gtccgctgtg gcgggaaagc ggccccaga accgaccaca ccgtggcaag aggacccaga 60
acccgaggac gaaaacttgt atgagaagaa cccagactcc catggttatg acaaggacct 120
cgttttggac gtctggaaca tgcgacttgt cttcttcttt ggctctcca tcatcctggt 180
ccttggcagc acctttgttg cctatctgcc tgactacagg atgaaagagt ggccccgcgc 240
cgaagctgag aggcttgtga aataccgaga ggccaatggc cttcccatca tggaatccaa 300
ctgcttcgac cccagcaaga tccag
325

```

<210> 1159

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 240, 244, 251
 <223> n = A,T,C or G

<400> 1159
 aaaaacctgg ggaacttttag gttattttata caaagggaat aaataggctg attttaattt 60
 ggtaagttga tcttttttatt atgaatttgg taatagtata ggtttattat ttattcatct 120
 aattttatag tacaggtttt gtaatgttac atgtgatgat atgagctccc accttatatg 180
 ggggaacatc ttgggaattt gagatttaat aagttttttt tttttttttt ttttttaggn 240
 ttnccggca ncccc 255

<210> 1160
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 231, 232, 236
 <223> n = A,T,C or G

<400> 1160
 ttaaaatcct gatttttgag acttaaaacc aggttaatgg ctaagaatgg gtaacatgac 60
 tottgttgga ttgttatttt ttgtttgcaa tggggaattt ataagaagca tcaagtctct 120
 ttcttaccaa agtcttggtta ggtggtttat agttcttttg gctaacaaat cattttggaa 180
 ataaagattt ttactacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaccc nncccnngggg 240
 gg 242

<210> 1161
 <211> 213
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 100, 102, 104, 110, 113, 140, 158, 177, 179, 199, 208
 <223> n = A,T,C or G

<400> 1161
 aaatctagag taaaaccaag ctggcccaag gtgtcctgca ggctgtaatg cagtttaatc 60
 agagtgccat tttttttttt tgttcaaatg attttaattt tngnaatgcn canttttttt 120
 aatatgcaaa taaaagttt acctgcccgg gcggccgntc aaaagggcaa attccancnc 180
 actggcggcc gttactagn gatccaanct cgg 213

<210> 1162
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 19, 303, 328, 340, 343, 349, 351, 354, 367, 368, 373, 379,
 385, 387, 390, 396
 <223> n = A,T,C or G

```

<400> 1162
tcttccagga gattaatcna tgaaatttat aagttttatc aacgtataaa atttttttca 60
tcttctggga ctcatagaat acaatctgtg tttctgacca gttgaggtag ttaaaatagg 120
gagggctttt ctaatttcgt atttgactat ttcagaaaga aaggttatct tttactggtg 180
agcacagtca ttgctctgca gatgggctag gattcaaaga atataacaca gtgttggtat 240
cataaagagt gttgaaagtt tatttattat acaccattga gacattttga aattggaatt 300
ggnaaaaaaa taaaaacctg ccccgcnngg cccttcaaan ggngaattnc nacnccctg 360
ggcgcnncnc tangggaanc caacntnggn cccaancttg ggggaaa 407

```

```

<210> 1163
<211> 187
<212> DNA
<213> Homo sapiens

```

```

<400> 1163
gcaggaggca tgccaggagg aatgcctggg ggatttcctg gtggtggagc tcctccctct 60
ggtggtgctt cctcagggcc caccattgaa gaggttgatt aagccaacca agtgtagatg 120
tagcattggt ccacacattt aaaacatttg aaggacctaa attcgtagca aattctgtgg 180
cagtttt 187

```

```

<210> 1164
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<400> 1164
aaatgggccca gaatctataa acagtgattg ccgaaataat ctagagatga cagtgcagag 60
aaattatggt cagacaataa tataaaaaatt tagaaaagga agcactagaa tttttaatga 120
tctgaaataa atatttttca taaaatttaa tgtattcttt ttttgtttgt ttttgataca 180
cagtcactct gtcaccagg ctggagtcca gtggtgcaat ctccactcac tgcaacctcc 240
accacttggg atcaagtgat tctcccggct aatttttgta ttttttagtag agacagggtt 300
ttgccatggt gg 312

```

```

<210> 1165
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 43
<223> n = A,T,C or G

```

```

<400> 1165
aaaatcctga ttttgagac ttaaaaccag gttaatggct aanaatgggt aacatgactc 60
ttgttggtat gttatttttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgtagg tggtttatag ttcttttggc taacaaatca ttttggaat 180
aaagattttt tactacaaa atgaaatttg tttggacttc cacttgagac agtaaagaga 240
gtattagaca ccagtaaaa actgccatat aaagaagttg taattgtttg ttgtgtatgt 300
atttttttca atgccaacc ag 322

```

```

<210> 1166
<211> 96

```

<212> DNA
<213> Homo sapiens

<400> 1166
gtgataccca aaatccagt ccttcacca agccaggatg aggaagtaca gacaattggt 60
cagatagaac tgtgcctcac taagcaagac cagcag 96

<210> 1167
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 227, 230, 232
<223> n = A,T,C or G

<400> 1167
gggaatgtga aatttacatc atttcttttt gggagagact tgttttggat gccccctaata 60
ccccttctcc cctgcactgt aaaatgtggg attatgggtc acaggaaaaa gtgggttttt 120
tagttgaatt ttttttaaca ttctcatga atgtaaaatt gtactattta actgactatt 180
cttgatgtaa aatcttgtca tgtgtataaa aataaaaaag atcccanatn anaaaaaaaa 240
aaaaaaaaaa aaaaaa 256

<210> 1168
<211> 266
<212> DNA
<213> Homo sapiens

<400> 1168
cacaatgtaa aaaagaatag taatatcaga acaggaagga ggaatggctt gctggggagc 60
ccatccagga cactgggagc acatagagat tcacccatgt ttgttgaact tagagtcatt 120
ctcatgcttt tctttataat tcacacatat atgcagagaa gatatgttct tggttaacatt 180
gtatacaaca tagcccaaaa tatagtaaga tctatactag ataatcctag atgaaatggt 240
agagatgcta tatgatacaa ctgtgg 266

<210> 1169
<211> 143
<212> DNA
<213> Homo sapiens

<400> 1169
catttaccag ggctctgagg ccgacagcgt ctcagcggc ttctcatct tcccatctgc 60
ctgagccagg gaaggacccc ctccccatc cactctctg gcttccatgc tccgcctgta 120
aaatgggggc gctattgctt cag 143

<210> 1170
<211> 448
<212> DNA
<213> Homo sapiens

<400> 1170
aaaggattat agtgctgcat tgtctgaagt tagcacctct tggactgaat cgtttgtcta 60
gactacatgt attacaaagt ctctttggca agattgcagc aagatcatgt gcataatc 120


```

ccattgtaaa ggcacttcaa aaatatggga acacagttag ttattttttac acagttcttt 180
ttgtttttgt gtgtgtgtgc tgtcgcttgt cgacaacagc tttttgtttt cctcaatgag 240
gagtgttgct catttgtgag ccttcattaa ctogaagtga aatgggttaaa aatattttatc 300
ctgttagaat aggctgcac tttttaacaa ctcatataaa aacaaaacaa ctctggcttt 360
tgagatgact tatactaatt tacattgttt accaagctgt agtgctttta gaacactact 420
taaaaagcaa aataaacttg gtttacat 448

```

```

<210> 1171
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 3, 10
<223> n = A,T,C or G

```

```

<400> 1171
ggnagacaan gtatttttatt tctgactgat tttagaaaaa acttgtgtac atgtgttttg 60
aactgttgaa atgccaagtt ttctgtataa gtgtttttgt aattaaaactt tcagattttc 120
tttgtttttt aagaagttga tgtgcttgtt tgacatttgt ctcatataaa cttttctacg 180
ttgaattcac ctgtttcaat tttacttgc tttgaacaaa aagtcctacc tctggccggg 240
cacggtggct catgcctgta atcccaacac tttggaaggc caaggcaggc agatcacgag 300
gtcaagaaat cgagaccatc ctg 323

```

```

<210> 1172
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 1172
ccagtttgtg cagttccagt agtgactgat tcacattttt ttccaaatgt aatgcacact 60
ccattgcatt cagcccgtc tccagtcac cacagctctg tttcttgata tccctgaagga 120
agattcagcc acctcgttgg ttctgcagct tcatcagttt ctacagcatgt tccctctcct 180
catgagattg gtgaagaaag tatttggcaa agttcttcaa agccacatca tc 232

```

```

<210> 1173
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<400> 1173
caatctttcc tgttgccctgt ggagtctctg ctgaaatgaa tcaggattcg agctctagga 60
tgagacagaa aatgaaagca tgttgtttgc caggacactg tgggtttata ttgatgtgta 120
acaagttgat ttggaacact ggactctcat tctgttattc tgggtttgtt ttttttgttt 180
tgtttttttt cttttgtaaa ggcaatgagc tagtcccaga aaggatcctt cagttacata 240
caatttgttt aatgaaatgt catggctctg ttcataatct tgtcttgctt ttccaattgg 300
tatatacaac tttcagagcc tcttgtattt ggaaggctgg aagggccag actttggaat 360
agtgtcttgg tttcactgtt tttgttttga tttttttttg ttttgatttt ttttacctcg 420
gccgc 425

```

```

<210> 1174
<211> 200
<212> DNA

```

<400> 1174

<210> 1175

<211> 194

<212> DNA

<400> 1175

<210> 1176

<211> 140

<212> DNA

<400> 1176

<210> 1177

<211> 189

<212> DNA

<400> 1177

<210> 1178

<211> 171

<212> DNA

<400> 1178

<210> 1179

 $\langle 211 \rangle$ 432

<212> DNA

<213> Homo sapiens

<400> 1179
ggcaggttct aaaagatcta gttaaagtta ttcaacagga gtcttacaca tataaagacc 60
caattacaga atttgttgaa tgtttatatg ttaactttga cttt gatggg gctcagaaaa 120
agctgagggga atgtgaatca gtgcttgtga atgacttctt cttggtggct tgtcttgagg 180
atttcattga aaatgcccggt ctcttcatat ttgagacttt ctgtcgcac caccagtgtgta 240
tcagcattaa catgttggca gataaattga acatgactcc agaagaagct gaaaggtgga 300
ttgtaaattt gattagaaat gcaagactgg atgccaagat tgattctaaa ttaggtcatg 360
tggttatggg taacaatgca gtctcaccct atcagcaagt gattgaaaag accaaaagcc 420
tttccttttag aa 432

<210> 1180
<211> 251
<212> DNA
<213> Homo sapiens

<400> 1180
agacaactgg ctttggcatg atttatgatt ccttggatta tgcaaagaaa aatgaaccca 60
aacatagact tgcaagacat ggctgtatg agaagaaaaa gacctcaaga aagcaacgaa 120
aggaacgcaa gaacagaatg aagaaagtca gggggactgc aaaggccaat gttggtgctg 180
gcaaaaagaa gtgagctgga gattggatca cagccgaagg agtaaagggtg ctgcaatgat 240
gttagctgtg g 251

<210> 1181
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

<400> 1181
ncgagtcctg gccttgtctg tggagacgga ttacaccttc ccacttgcctg aaaagggtcaa 60
ggccttcttg gctgacccat ctgcctttgt ggctgctgcc cctgtggctg ctgtcaccac 120
ag 122

<210> 1182
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 199, 256, 264
<223> n = A,T,C or G

<400> 1182
nctgccctct tgggttttagg tgttgttctt tcacggaatc catgcctgaa tctgcggtat 60
acaattttta ggtgcctcat tcgaccagtt ccggtggtat ttctgttttt agccttggca 120
ctccagttat actttctctt gcgcttggca gggtagccac atttgccaca ggtcgacttc 180
tgaagggtgg aggcccttana gccacagcgg cggcacaacg tgtgcgtctt attgcgacgc 240
tttccaaacg atgaenttcc cttngcatct cgcacct 277

<210> 1183
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 1183
 atgcccccta agtgacccgg acacttccga gggggccatc accgcctgtg tatataacgt 60
 ttccgggtatt actctgctac acgtagecct tttacttttg gggttttgtt tttgtttctga 120
 acttttctgt taccttttca gggctgacgt cacatgtagg tggcgtgtat gagtggagac 180
 gggcctgggt cttggggact ggagggcagg ggtccttctg ccctggggtc ccaggggtgct 240
 ctgcctgctc agccagg 257

<210> 1184
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 1184
 gcgcttgctg gtcggcctct gtggcagggt cgagtgcac agtgggaagca ggctaagtcc 60
 tatcagccat ggaaacacca ttgctctctt cttccggtca ctgttgccaa actataccat 120
 ggaggggggag agggccgagg aaggagtggc tgggggtctg aaccgcaacc agggcctgaa 180
 caggctgatg ctggctgtgc gcgaca 206

<210> 1185
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 1185
 ccctatcaca cgtggccttg tctagaccct gtcctgagca ggggagaggc tcttgagacc 60
 tgatgccctc ctaccacacat ggttctccca ctgccctgtc tgctctgctg ctacagaggg 120
 gcagggcctc cccagcccca cgcttaggaa tgcttggcct ctggcaggca ggcag 175

<210> 1186
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 1186
 ccacatcggc agggtcggag ccctggccgc catactcgaa ctggaatcca tcggtcattgc 60
 tctcgccgaa ccagacatgc ctcttgctct tggggttctt gctgatgtac cagttcttct 120
 gggccacact gggctgagtg ggttacacgc aggtctcacc agtctccatg ttgcagaaga 180
 ctttgatggc atccagggtg cagccttggc tgggggtcaat ccagtactct ccactcttcc 240
 agtcagagtg gcacatcttg aggtcacggc aggtgcgggc ggggttcttg c 291

<210> 1187
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 1187
 aaaaggtcaa ttctatttta ttggttctga gagggaggat tcacccagtg gatccttttc 60
 cctacactct cccctccccc aatattgagg ctctctccca actactgctt attcagcatt 120

ctctatctaa cctccttcc ccttctactt cctatactat cctacccctg g 171

<210> 1188
<211> 292
<212> DNA
<213> Homo sapiens

<400> 1188
cctccagggc atgtaagagg cacagaacac tcccagaacc cagaatctgc tgtcatctga 60
gtgcctgagc aacttacata accatcagct tttagacgaa cttacacatt tcctatttga 120
cagaaatctc ttccacaatt tggtcactac atttgacttg ctatttcaaa agaagtccac 180
atgtcatgaa acaccaacca atttttatca atcacttacc aatatgaggt taagaagtta 240
agacaaccat ttttacagat aaaacacatg aatccaatga ccttcctcac ag 292

<210> 1189
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 175, 178, 179, 186, 188, 190, 196, 200, 215, 216, 226, 246,
251, 254, 256
<223> n = A,T,C or G

<400> 1189
aaatgtccca cgtttattta catatgaaat gtgtttcata cagttatgat ggatggagtg 60
cataacacct gacagcagca agaccttttg aggaaccgaa cattgactac agtatatcat 120
gcaagtatct atatatcac aaaagaattc cttttcttaa aaaaaaaaaa aaaanggnnc 180
aaaacntntn cggggntaan tccaaaatcc aaatnncaaa aaaaanccca aaccaaacc 240
aaaaantaaa nctntntcaa aaa 263

<210> 1190
<211> 159
<212> DNA
<213> Homo sapiens

<400> 1190
ggcaggtgtg gtgtttgtgg gcacgagagg ggcagagaat ggagagtgg gctaccacat 60
gaagcgtcac cagagctgct cctgctgcc tgctcagagc accccggatc cactgttcaa 120
tctgcacaag attcgggggc cagacatggg agacttcag 159

<210> 1191
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 569, 631, 649, 658, 659, 670, 683, 688, 692, 694, 701,
703, 710, 716, 719, 720, 733
<223> n = A,T,C or G

<400> 1191

```

ncctgggacc aaatgaaggc tgagaggtat ggctcatcgg tacaagagag atgcaaaaaa 60
ctaagttgga aagtaaaggc tacacacaca tatgggagcac cccatcccac agcacattac 120
atccacctca cttcacagaa cggagaacag agcagaaatg accagaacac ctttgtcacc 180
atcacacagc cctcctaaaa tggaaacaaa gcttcccagc tccctcaaag ctttggatgc 240
aaagaaggca cctgacttc cacaagacac cagaattcac acggtactca gaggcactgc 300
tggggaagtt tgttggtctt tattagataa atttccagag acctgtccat aatacccaac 360
agaacatgac tgtttctttg aggaaagggt tataatgtct gtggtgtaca agtcgttttt 420
ggtataactt ctttctgtct gctgctgctt cccggcaaac atagtttttc tatttcaggc 480
agagtgcggt atattccagg aaacacttgt ttcctactca cttagcttac tttctttgtt 540
gaatgcctca ctaatggcca agtttcaana tgttttgggt gacaatgcac acattgcttg 600
ggcaaaaagg gtgatgggac cctcggcccc naccacgcct aaagggcgna atttccannc 660
acactgggcn ggccgctact aanggatncc ancntcggta nnaaccttn gggcgnaann 720
aatgggcat agnctgct

```

<210> 1192

<211> 105

<212> DNA

<213> Homo sapiens

<400> 1192

```

ggaaccgtgg cgtccctgcg tggggcccat gggtgagaca ctccagtact gagacctaga 60
gtccagatgc ttgtaggagc caagtcgtgt totaagtatt tattt

```

<210> 1193

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1

<223> n = A,T,C or G

<400> 1193

```

nctgatttta tttccttctc aaaaaaagtt atttacagaa ggtatatatc aacaatctga 60
caggcagtga acttgacatg attagttggc atgatttttt cttttttttc ccccaaacat 120
tgtttttgtg gccttgaatt ttaagacaaa tattctacac ggcatattgc acaggatgga 180
tggaaaaaaa aagtttaaaa acaaaaaccc ttaacggaac tgctttaaaa aggcagacgt 240
cctagtgcct gtcattgtat attaaacata catacacaca atctttttgc ttattataat 300
acagacttaa atgtacaaag atgtttttcca cttttttcaa ttttta

```

<210> 1194

<211> 207

<212> DNA

<213> Homo sapiens

<400> 1194

```

aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa atttttt

```

<210> 1195

<211> 627

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 466, 485, 511, 516, 526, 530, 542, 551, 556, 562, 569,
571, 574, 610, 622, 624

<223> n = A,T,C or G

<400> 1195

```
ctgggnccta cattagtgcc ttacgggtga acaagggtgat tgagattaac ccttacctgc 60
ttggcaccat gtctggctgt gcagcagact gtcagtactg ggagcgctg ctggccaagg 120
aatgcaggct gtactatctg cgaaatggag aacgtatttc agtgtcggca gctccaagc 180
tgctgtccaa catgatgtgc cagtaccggg gcatgggcct ctctatgggc agtatgatct 240
gtggctggga taagaagggt cctggactct actacgtgga tgaacatggg actcggtct 300
caggaaatat gttctccacg ggtagtggga acaacttatgc ctacggggtc atggacagt 360
gctatcggcc taatcttagc cctgaagagg cctatgaacct tggccgcagg gctattgctt 420
atgccactca cagagacagc tattctggag gcgttgtcaa tatgtgccac atgaaggag 480
atggntgggt gaaagtagaa agtacagatg ncagtnacct gctganccan taccgggaaa 540
cncatcaata ntgggnggtg gnggaaganc ntcngcctga gaccaccgct aagggggcga 600
aatttccagn acaactttgt cngnacc                                     627
```

<210> 1196

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 32

<223> n = A,T,C or G

<400> 1196

```
atgacattgg tggctctgat caagaatttg gngtggacgt tggccctggt tgctttttat 60
aaaccaaact ctatctgaaa tccaacaaa agaaatttaa ctccatattg gttcctcttg 120
ttctaattct gtcaaccagt gcaagtgacc gacaaaattc cagttattta tttccaaaat 180
gttttgaaac agtataattt gacaaagaaa aatgataact ctcttttttt gotgttccac 240
caaatacaat tcaaattgctt tttgttttat ttttttacca attccaattt caaaatgtct 300
caatggtgct ataataaata aacttcaaca ctctttatga taaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaa                                     374
```

<210> 1197

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 168, 172, 178, 192, 194, 226, 245, 260, 265, 272

<223> n = A,T,C or G

<400> 1197

```
gggaaggaaa gaacttgcac gttggtgaag gaagaagtgg ggtggaagaa gtggggtggg 60
acgacagtga aatctagagt aaaaccaagc tggccaagg tgctctgcag gctgtaatgc 120
```

```

agtttaaatca gagtgccatt tttttttttg ttcaaagtat ttttaattntt gnaatgcnc 180
atTTTTTTTaa tntncaaata aaaagtttac ctgcccgggc ggccgntcaa gggcaaattc 240
caccncaactg gcggccgctn ctagnnggatc cnagctcgg 279

```

<210> 1198

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1198

```

gagacgatga agaacaatta gactggaccc acccaccaca gcccattcacc ctccatttcc 60
acttggtggt tggttcctgt tcactctgtt aataagaaac cctaagccaa gaccctctac 120
gaacattctt tgggcctcct ggactacagg agatgctgcc acttaataat caacctgggg 180
ttcgaaatca gtgagacctg gattcaaatt ctgccttgaa atattgtgac tctgggaatg 240
acaacacctg gtttgttctc tgttgtatcc ccagccccaa agacagctcc tgg 293

```

<210> 1199

<211> 561

<212> DNA

<213> Homo sapiens

<400> 1199

```

ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcaccacct tctcaccgca tctcaatat tctttttgtt cctctggtaa 240
ttggtggtgc ctggctgggc tttgtcctgg gaatatggta gggtggtgat ggtgaaattc 300
aggtagaagt gctgggtgct ggagctgctt gttggttgat aaactgatga ctccatttct 360
gtcacatgga tgtccaccaa ctggtaggtg gagcccagcc aatggaatga ggcattcagg 420
gtcttatcta gaaagacttg ctccaccagg ctgggggtcca aattggagga gaacaatgcc 480
ttgacagtga ccaacacgga gtccatcgtc aagttggtac ctgcccgggc ggccgctcga 540
gccctatagt gatcgtatt a 561

```

<210> 1200

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 303, 328, 329

<223> n = A,T,C or G

<400> 1200

```

cgaggaaata gtatcatcat gttagaagcc ttggaacgag tataaataat ggctgttcag 60
cagagaaacc catgtcctct ctccataggg cctgttttac tatgatgtaa aaattaggtc 120
atgtacattt tcatattaga ctttttggtt aataaaacttt tgtaatagtc aaaaatgctt 180
tctcagatgt tctgaatata gaatatcagc tctcattcca gttttttcta acatgaattt 240
tcctggttga cattgatctt aaagggtttt atgcattaaa gtgaaagaat cttattaaat 300
gcnaaaaaaa aaaaaaaaaa aaaaaaannt ttttt 335

```

<210> 1201

<211> 441

<212> DNA

<213> Homo sapiens

<400> 1201

```

ggcaggtaaa aaagtgacat tgctttatta ctattggcag gtggggcctg catgaggtgg 60
ttagtggtgct caggggatgg gtgggctgtg gagatgatga cagaaaggct ggaaggaaaag 120
gggggtgggtt tgaaggccag ggccaagggg tcctcaggtc cgcttctggg aagggacagc 180
cttgaggaag gagtcatggc aagccatagc taggccacca atcagattaa gaaattctga 240
gaaatctagc tgaccatcac tgttggtgtc cagtttcttc atcatgcggt caaggacacc 300
agggtccttc tggttctttg tgaaggcagc tagttctgta ttcatgaagc ttaggaactc 360
tgtcttgagg agagtgtagt tataaccatc ctttcagca tacttctgga agacagcaat 420
cagggactcg atgcaccgct c                                     441

```

<210> 1202

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 30, 268, 307

<223> n = A,T,C or G

<400> 1202

```

gcatttttca catttgtaaa ctctgggtan aaacaggtcc tcaggagtat tctctaacct 60
gatattttct aaaaagatat gttgattcaa ctttgtttag catcctactt tctagattgt 120
ggggctcatt ttgccagggc caagctacca gaaaagtaga agtggagatt acctgggtatg 180
tatctctctg ggtgccccag ttagagctgc cacagctcag gaaaaagatg aggcataacg 240
accttgaatg taattggagt aagtgaacnaa ataagaacta ccctgggaaa ccctgcattc 300
aatgtanctg t                                     311

```

<210> 1203

<211> 307

<212> DNA

<213> Homo sapiens

<400> 1203

```

ctgttgccga ggcttgggct cgcttgacc acaagtttga cctgatgtat gccaaagcgtg 60
cctttgttca ctggtacgtg ggtgagggga tggaggaagg cgagttttca gaggcccggtg 120
aggacatggc tgcccttgag aaggattatg aggaggttgg agcagatagt gctgacggag 180
aggatgaggg tgaagagtat taacctgtgt gctgtacttt tacactcctt tgtcttggaa 240
ctgtcttatt tttgttctgt aaatgtctat tgccgtaaatt tgtaataaaa attgatgttt 300
ccatttt                                     307

```

<210> 1204

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 418, 562, 584, 605, 633, 647, 658, 675, 682, 683, 689, 698, 704, 705

<223> n = A,T,C or G

1201
 1202
 1203
 1204
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 1300

```

<400> 1204
ctggaaccac aaagcagccc tctaaggagg aggaggaaga ggaggaggag gaacaactga 60
accagacctt ggcagaaatg aaggcccagg aggtggcgga attgaagagg aagaaaaaga 120
agctgttgcg tgagcagaga aagcagcggg agcgtgtgga gctgaagatg gatccgcctg 180
gggtttccat tgcagacgag ggggagactg gcatgttctc cttgagcacc atccggggtc 240
accagttatt agaggaagta acacaagggg atatgagtgc agcagacaca tttctgtccg 300
atctgccaa g gatgatc tatgtgtcag atgttgagga cgacggtgat gacacatctc 360
tggaatagtg cctggatcca gaggagctgg caggagtcag gggacatcag ggtctaangg 420
acaaaaagcg tatgcgactt actgaagtgc aagatgataa agaggaggag gaggaggaga 480
atccactgct ggtaccactg gaggaaaagg cagtactgca ggaagaacaa gccaacctgt 540
ggtttctcaa gggcagcttt tncctgggagc gaggacgatg ccnatgagg ccctggagat 600
cagtnccaggc cccagacctg ccccggggagc ggnccgcttc aagggcnaaa tttcccance 660
accaccttgg ccggnccgct tnncttaant ggggattncc caanncttcc gggt 714

```

<210> 1205

<211> 336

<212> DNA

<213> Homo sapiens

```

<400> 1205
aaggaatcgt atcgtatgtc cgctatccag aacctccact ctttcgaccc ctttgctgat 60
gcaagtaagg gtgatgacct gcttcctgct ggcactgagg attatatcca tataagaatt 120
caacagagaa acggcaggaa gacccttact actgtccaag ggatcgctga tgattacgat 180
aaaaagaaac tagtgaaggc gtttaagaaa aagtttgctt gcaatggtag tgtaattgag 240
catccggaat atggagaagt aattcagcta cagggtgacc aacgcaagaa catatgccag 300
ttcctcgtag agattggact ggctaaggac gatcag 336

```

<210> 1206

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1

<223> n = A,T,C or G

```

<400> 1206
ntggcagtgc aaatatccaa gaagaggaag tttgtcgctg atggcatctt caaagctgaa 60
ctgaatgagt ttcttactcg ggagctggct gaagatggct actctggagt tgagatgcga 120
gttacaccaa ccaggacaga aatcattatc ttagccacca gaacacagaa tggtcttggt 180
gagaagggcc ggcggattcg ggaactgact gctgtagttc agaagaggtt tggctttcca 240
gagggcagtg tagagcttta tgctgaaaag gtgg 274

```

<210> 1207

<211> 240

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 189, 201, 230, 232, 233

<223> n = A,T,C or G

<400> 1207
 tgttttccag caaagatcaa cctctgctgg tcaggaggga tgccttcctt gtcttggatc 60
 tttgccttga cattctcgat ggtgtcactc ggctccactt cgagagtgat ggtcttacca 120
 gtcagggtct tcacgaagat ctgcatccca cctctaagac ggagcaccag gtgcagggtg 180
 gactctttnt ggatgttgta ntcagacagg gtgcgtccat cttccagatn tnnccagca 240

<210> 1208
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 1208
 aaagaagtaa gcctttatatt ccttgttttg caaataaaac tggctaagtt ggttgctttt 60
 tggtgattag tcaaagagac caaatcccat atcctcgtcc gactcctccg actcttcctt 120
 ggcttcaacc ttagctgggg ctgcagcagc agcaggagca g 161

<210> 1209
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 1209
 gcagaaaaaa gggttgccac cccagttgat tggaaggatg gggatagtgt gatggtcctt 60
 ccaaccatcc ctgaagaaga agctaaaaaa cttttcccga aaggagtctt caccaaagag 120
 ctcccatctg gcaagaaata cctccgctac acaccccagc cttaagtctc ttggagaagc 180
 tgggtgctgtg agccagagga tgtcag 206

<210> 1210
 <211> 209
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 1210
 nctggctttc tacacacacc actgtccagg tgggaagggc agccactgct gctcctgcat 60
 tcaccaagga aaacaaagga aagggtgcggc gaggcagggt ggggtgagta atcagcttgc 120
 acttctgagc cctggcaacc ctaccatcct ctctgctgg gctcagattg aatttgggga 180
 ggtatttatt ctcatgccca ttccacc 209

<210> 1211
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 1211
 aaaatagatg attataacgg ggcagagaac tttcttttct ctgcaagaat gttacatatt 60
 gtatagataa atgagtgaca ttcatacca tgtatatata gagatgttct ataagtgtga 120
 gaaagtatat gctttaatag atactgtaat tataagatat ttttaattaa atattttttt 180
 gtaaatatta tgtgtgtgtt tttttttaat ctatgggaat atttcttttg gaaaaatcatt 240


```
gtcatctttt attatgaaga caataaactc aagattttat tgtcttcata ataaaagatg 60
acacntgcaa gggcggc 77
```

<210> 1215

<211> 332

<212> DNA

<213> Homo sapiens

<400> 1215

```
ggtggaatgt gatgttcagc agcaaaacttg caacagactg gccttctggt tggtactttc 60
aaaaggccca catgatacaa ttagagaatt cccaccgcac aaaaaaagtt cctaagtatg 120
ttaaatatgt caagcttttt aggcttgtca caaatgattg ctttgttttc ctaagtcac 180
aaaatgtata taaattatct agattggata acagtcttgc atgtttatca tggtacaatt 240
taatattcca tcttgcccaa cccttcctct cccatcctca aaaaagggcc attttatgat 300
gcattgcaca ccctctgggg aaattgatct tt 332
```

<210> 1216

<211> 603

<212> DNA

<213> Homo sapiens

<400> 1216

```
aaattgcatt cttttcaaat ttataagtct aagaaaacaa aaccaataa aagaagccat 60
tccaaggagt gcgtatttgc catttgactg caacaaaagg cccggccaca ctgagctaaa 120
aggtaatact ctcgaccca ttcttctaac acagaaaact ttctcaggta aactgtgggg 180
ttatgagaat ccccctaact agaaatgttg atgggaactg agcattgctt gctttcatca 240
ggtgttcttg ttgccaaaga catgaacgat actgaggaaa acgacaagag tgagcattcc 300
cgccagtaaa tcttcaaggg tggcatccgt ttcaatttat acttggagat atttttaatt 360
aaaaacaatc aataccaaaa agcttttatt ttgtgggttt aaaagtcaca aatcacagt 420
ggagaatgcc aaattgcttt agcttgggaa tactgaagac gcacatagca tttattataa 480
ggcctactct taggcagttc actctcaaag caatgaaaat aatctcaaac caaacattac 540
agtgggtttg aagcgttctt acgtttcttc cgagcaggtc agttttacat ttgctacaca 600
gca 603
```

<210> 1217

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 677, 685, 695, 736, 749, 750, 776

<223> n = A,T,C or G

<400> 1217

```
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaatata atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagt 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaactggt aaaaaaataa aacaaaaagc atttgaattg tatttggtgg aacagcaaaa 360
aaagagaagt atcatttttc tttgtcaa atactgttt ccaaacattt tggaaataaa 420
taactggaat tttgtcggtc acttgcaact gttgacaaga ttagaacaag aggaacacat 480
atggaggttaa attttttttg ttgggatttc agatagagtt tgggtttataa aaagcaaaca 540
```

```

gggccaaacgt ccacaccaaa ttcttgatca ggaccaccaa tgcataggg tgcaatatct 600
acaataggga gtctccagcc ttgccgtgt tcgatattca aagactgttt tgctccattc 660
ccccagtggg gtttcgngca acccnttcct tocanaaact ggtgtaaggg gggaaatttg 720
cttttttccc tttcancct ttgaaattnn cccctttcat tttggacccc ccatcnc 777

```

```

<210> 1218
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 24, 41, 42, 433, 439, 457, 467, 480
<223> n = A,T,C or G

```

```

<400> 1218
aaattgncaa gaagaaaatt cttngacatt tgggggctgg nngacatttg ggggcaaggg 60
ttccactgaa aaatccccc aattcacgct gaggtttcag gtcattggtt ctgaggtgga 120
agatgaggtc agggctcttg gagattttcc aaccacccct agaacttggt tctaaatggc 180
tggggaagag gtcagtatag gtccccccgt tactgcagat gaaggcagaa gtcattctct 240
ccccacccc tcaacttctt cagagatgtg gagataggag gcttcgatct ctaattacct 300
acgatctctt aaaaaatataa aacacgtgca gttgactttg gtacaaaaaa gaaaacaaaa 360
gaacaacaaa acattctggt cctgtgggt tttttccctc acccccacaa accattatgg 420
acctcggccc gcnaccacnc taagggcgaa attccancac acttgcngcc cgttactagn 480
ggatccc 487

```

```

<210> 1219
<211> 553
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 539
<223> n = A,T,C or G

```

```

<400> 1219
ttccccctta atctagatag aaatactctt tatcagagat ttaaggcact gttttgctaa 60
ctggtaaata aaaccaaagt taaatatgta agaatgttta ttgtttgcac ataacttttt 120
tggtataaaa taaatgtaga agttacctgt ggaagttgtg ctcccattat tcttaaaactg 180
caggggttgca ttccaaaaga actgaaacga agtcttttta gactcagtag gaggccttata 240
ttcttgaagt caatactgta acctcatttc taaggatatac aggggttgatt ctttttctct 300
taaatcatat gtaacttgca gaagattcag agtctcaga cctctagttc ttggaattcc 360
tgtaggttta cgggtgatgt gattgtcaag aattaatgac aaaaatgtgt cactgcctac 420
agttctgtga aactcagaa tgtattaatg agctgttttt ccatagtttt actttagctt 480
accttgaata ctccctgtat aatcctctaa aaaggtagca tcggcaagaa agatgaatnc 540
gttggaata cag 553

```

```

<210> 1220
<211> 152
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 1220
 ncgcaggagt gccgcgact gagccgcctc ccaccactcc actcctccag ccaccaccca 60
 caatcacaag aagattccca cccctgcctc ccatgcctgg tcccaagaca gtgagacagt 120
 ctggaaagtg atgtcagaat agcttccaat aa 152

<210> 1221
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 1221
 ccaggatttt catgaggggc cgtagcttga gccaccactg ttctttggga atcctgtgct 60
 caaaatccgt ttgcttcttc agctctgccca cagggtgaaa aataacgttt cttttgctta 120
 ttcccagcac acaaattgaa tcatcggtgg taaatttttt tcctctgccc cgggcctcct 180
 tgagttttgc agtgatccac tccatagctc tggcagagat ttggttcca aagtttctat 240
 caaatggaga ggggtgcccc cctgtctgca tgtgaccag cacgttcttc ctgcagtcaa 300
 acacgc 306

<210> 1222
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 1222
 ctggagcctg agtccgctgc acggagactc tgggtgtgggt cttgacgagg tggtcagtga 60
 actcctgata gggagacttg gtgaatacag tctccttcca gaggtcgggg gtcaggtagc 120
 tgtaggtctt agaaatggc 139

<210> 1223
 <211> 351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 1223
 ngcagcatca ggcttggtc caaagcatcg cggagaaaga caacaacctg gtccctattg 60
 gcaagccagc ctcagagcac tatgatgacg aggaagaaga ggatgatgaa gatgatgagg 120
 atagtgaaga ggactcagag gatgatgagg atatgcagga catggacgag atgaatgact 180
 acaatgagtc accggatgat ggagaggtca atgaggtgga catggaaggc aacgaacagg 240
 atcaggacca gtggatgac taggtagaca aggcagggtg gcctcaggga gattccaggc 300
 cagcccaaac taccctgcat cccaaccccc aaccctgcc cacagaacca g 351

<210> 1224
 <211> 132
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 1224
 nggaatttgg tataattatg gtgggtgatt attttttata ctgtatgtgc caaagcttta 60
 ctactgtgga aagacaactg ttttaataaa agattttacat tccgcaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aa 132

<210> 1225
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 411, 443, 462, 485, 492, 494, 501, 513, 515, 519
 <223> n = A,T,C or G

<400> 1225
 ccagaaaggt gacagtgggc ttccagggcc tcttgggcct ccaggtccac ctggtgaagt 60
 cattcagcct ttaccaatct tgcctcctcaa aaaaacgaga agacatactg aaggcatgca 120
 agcagatgca gatgataata ttcttgatta ctcgatgga atggaagaaa tatttggttc 180
 cctcaattcc ctgaaacaag acattgagca tatgaaattt ccaatgggta ctgagaccaa 240
 tccagcccga acttgtaaag acctgcaact cagccatcct gacttcccag atggtgaata 300
 ttggattgat cctaaccaag gttgctcagg agattccttc aaagtttact gtaatttcac 360
 atctggtggt gagacttgca tttatccaga caaaaaatct gagggagtaa naatttcac 420
 attggacctg cccgggcggc cgntcgaaag ggcggaattcc ancacacttg gcggccgttc 480
 ttagnggatc cnantcggg nccaaacttg gngnnaatna tgg 523

<210> 1226
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 64, 365, 417, 424, 476, 482, 484, 496, 501, 517, 521, 522
 <223> n = A,T,C or G

<400> 1226
 aaacattacc cagcatcatt gtttataatc agaaactctg gtccttctgt ctggtggcac 60
 ttanagtctt ttgtgccata atgcagcagt atggaggagg gatatttatgg agaaatgggg 120
 atagtcttca tgaccacaaa taaataaagg aaaactaagc tgcattgtgg gttttgaaaa 180
 ggttattata ctcttaaca attctttttt tcagggaactt ttctagctgt atgactgtta 240
 cttgaccttc tttgaaaagc attcccaaaa tgctctatct tagatagatt aacattaacc 300
 aacataattt tttttagatc gagtcagcat aaatttctaa gtcagcctct agtcgtggtt 360
 catcnccttc cctgcatttt atttggtggt tgtctgaaga aaggaaagag gaaagcnaat 420
 accnaattgt actatttgta ccaaactctt gggattcatt ggcaaaaaaa ttcagnnggg 480
 gngnattatt aaatanaaaa naaaaatttt gttcctnggt nnaaggctaa t 531

<210> 1227

<211> 292
 <212> DNA
 <213> Homo sapiens

<400> 1227
 aaacttccct ctgtggaaga tattcaaaaag ccacaagtgg tgcaaatggt tatgggtttt 60
 atttttcaat ttttattttg gttttcttac aaagggtgac attttccata acagggtgtaa 120
 gagtggttgaa aaaaaaattc aaattttttg gggagcgggg gaaggagtta atgaaactgt 180
 attgcacaat gctctgatca atccttcttt ttctcttttg cccacaattt aagcaagtag 240
 atgtgcagaa gaaatggaag gattcagctt tcagttaaaa aagaagaaga ag 292

<210> 1228
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 1228
 gttcacattg ataaagagac ggcgagtcga ctgaagtcta tgattaacac tactttgatc 60
 atcaccaaca taccctacat catcatggcg ctgggtgtgt tctttggttt gggttttacc 120
 tggtttgcat gcaaaggaca gggatccatg gatgaggga cagcggatga aagagcacc 180
 ctcatcga cctaaacatt gcctttgctt ggtgaagaaa ctatgtgagc tgtcctgacc 240
 tggacgatga cgtggggaaa cgctccacct ccttgaggc ttgttgctg ttgaaagaag 300
 gaaaaagaca cagcgtctggc aagtgatagg aacattctgg 340

<210> 1229
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 286
 <223> n = A,T,C or G

<400> 1229
 ggaaatctga aatagagtac tatgctatgt tggctaaaac tgggtgtccat cactacagtg 60
 gcaataatat tgaactgggc acagcatgcg gaaaatacta cagagtgtgc aactggcta 120
 tcattgatcc aggtgactct gacatcatta gaagcatgcc agaacagact ggtgaaaagt 180
 aaaccttttc acctacaaa tttcacctgc aaaccttaaa cctgcaaaaat tttccttta 240
 taaaatttgc ttgtttttaa aacaaaaaaa aaaaaaaaaa aaccntccc gggggg 296

<210> 1230
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 1230
 ctaatacgac tcactatagg gctcgagggc cgcccgggca ggtaaaaagt tatattatta 60
 ttcttttttt tttttttttt ttgggaaggg 90

<210> 1231
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 1231
 ctgggcgatg tgcgagctga tagtgagcgg cagaatcagg agtaccagcg gctcatggac 60
 atcaagtcgc ggctggagca ggagattgcc acctaccgca gcctgctcga gggacaggaa 120
 gatcactaca acaattttgtc tgcctccaag gtcctctgag gcagcaggct ctggggcttc 180
 tgctgtcctt tggaggggtg cttctgggta gagggatggg aaggaaggga cccttaccoc 240
 cggctcttct cctgacctgc caataaaaat ttatgggtcca aggg 284

<210> 1232

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 451, 522, 541, 548, 553, 576, 577, 578, 579

<223> n = A,T,C or G

<400> 1232
 gtcagccttt gaggaaccg gcaagacca ggaggtgatt gacacgggct atggcatcct 60
 ggaccagaag gcctctggag tcaaatacac caagtcggac ttgcgggttaa tcgaagtcac 120
 tgagaccatt tgtaagaggc tcctggatta tagcctgcac aaggagagga ccggcagcaa 180
 tcgatttgcc aagggcatgt cagagacctt tgagacatta cacaacctgg tacacaaagg 240
 ggtcaagggtg gtgatggaca tcccctatga gctgtggaac gagacttctg cagaggtggc 300
 tgacctcaag aagcagtgtg atgtgctggt ggaagagttt gaggaggtga tcgaggactg 360
 gtacaggaac caccaggagg aagacctgac tgaattcctc tgcgccaacc acgtgctgaa 420
 gggaaaagac accagttgcc tggcagagca ntggctcggc aagaaggag acacagacct 480
 gcccgggcgg ccgctcgaaa gggcgaattc cacacacttt gnggccgtac taatggatcc 540
 nactcgncc cancttgcgt aatcattggc ataactnnnt 580

<210> 1233

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1233
 aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
 aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cagcctcat tacgattcgc 120
 ctgcttgctt ctctgttca acctgcccg cgg 153

<210> 1234

<211> 416

<212> DNA

<213> Homo sapiens

<400> 1234
 ccaaacaaga agacggcagt ctctccagaa ccaccaggg cggcactggt cacagtttca 60
 ttccagatcg ttaaggatg ttgctctgtg gtcaggatga cacagtgtgt ctggatgcac 120
 atgatcactt gactcggttt ctatactcaa atatacagat gcagagtga ctcaaacaca 180
 caggcattcc actgcagagc agatgataac aaaacaagt gctggggaca ggggtcattc 240
 aacaaccttc atttggtttg caatgtctgc aggaatctgg gtatgtggac caagacaagt 300
 gagcctgctc tgtgctagcc aggtgtcacc aagtttctga tctaccacgc tctcttgcca 360
 gaggtgaagg ggggtccctc gctgagttgc gtgttttagag gagccctgct aggtgg 416

<210> 1235
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 1235
 ccaggggacc cggcctcagg tctgtggagg tgcttcaaca gcacgatgct cattctctgt 60
 ccgtagtgtc tccatatact ttctcatctt ctccaccatc caggagggta ggacaaagga 120
 tttcaattcc tctagcttca gatccaggca tcctctgtaa tcatcactgg ccgcaagggtc 180
 ccggatgtcc tctcgtatga ggaggtaggc catcttgccc cctgttgccc gcatgtgatg 240
 ctgctcagcc agccagtgtc tatcctgggg gtcagacctg cccgggcggc cgctcgagcc 300
 ctatagttag tcgtattag 319

<210> 1236
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 1236
 ctgtggccct gactcactgg cctgtctggc atttattcag cacatattaa atgacgaagg 60
 ctttgagtca acaccatcag tgggtaatca atctggttgc cctcccccta cctgagaga 120
 gctatcctgc ccataaacta tcaaagggtta gttttaggac cacataagta aacaagtcac 180
 ttagataaac tacattttctg tgtatctatg ccctaagctt ttaagagaat tcag 234

<210> 1237
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 1237
 aaacaaaaca aaaaaaaagt ttacaaaaga aaaaaagata cagaaaaaga ataacttgct 60
 tcatatgtcc caaaaagaga aaaaaataaa ggggacaatg ccaacatgct caacaataaa 120
 ggcttctttt tcttattttt ttaatacaaa atacaagcaa aggatacaca tacttaaaac 180
 agagctcagg agcagacacg cagtcctgga aacccttcaa taaaagcaaa gcaggagttt 240
 gttttttctt tgtctatgca gatacataca gagactggga tatgtaaaaa ttaagtatca 300
 caaaagacca tcacacgatt ctaccaatgc atgttgcatc tgtaattcac gaacatgggtc 360
 aacaaaatca tgttcacttc aaccccatct cattt 395

<210> 1238
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 1238
 aaatttaagg ataagtaaag tgagagtaca acagcccatc tcttagttaa aaagaaaaga 60
 aaaagacaag agcaagccac tgccaccaca ggtaccagca cttaaatttg tcagcaggct 120
 gaccaaagag tggcctgtct gttggcattc atcggacatg gcagctccct tcagctctcc 180
 agtgagtttc aagttcagag cactttcagt ccttgtcttg tttatctatt actgaagggt 240
 ttctaggaag gtttagcagt gcttcaattt tcttagcatc attctcaggt tcatcttccct 300
 gtaaactact ttcaattttc tcaggagagt gctcagtaac ttgtagtctg cctttccact 360
 cttccagttt tagctcatgg agtgcccttc gatccttctg 400

<210> 1239
 <211> 243

<212> DNA
<213> Homo sapiens

<400> 1239
 aaaaaagtga cattgcttta ttactattgg caggtggggc ctgcatgagg tggtagtgt 60
 gctcagggga tgggtgggct gtggagatga tgacagaaag gctggaagga aagggggtgg 120
 gtttgaaggc cagggccaag ggtcctcag gtccgcttct ggaagggac agccttgagg 180
 aaggagtcac ggcaagccat agctaggcca ccaatcagat taagaaattc tgagaaatct 240
 agc 243

<210> 1240
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 1240
 ggggttcagg atcccaacct atccttgggg gtggaggaca caatggaatt cataatgctc 60
 ccgaagtggg ttctggcggg gatcgtgaat taggtgtcca gcgcgtaaca cacagacacc 120
 atctggttct ctgtgtgaga aggaggggtg tgcagcacac ccgtcatgaa taccagctct 180
 ggagcaggac agacagggtc aaagcctggc tccacccoga ccag 224

<210> 1241
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 476, 496, 499, 504, 523, 548, 558, 572, 573, 576
 <223> n = A,T,C or G

<400> 1241
 ccattttgga gtgtgtccat tgggtagcaa tgtggaaacc accagggcct ttgtggagaa 60
 aatggagggg gttgagggag tccagaggag ggcttatattg agggcctttg ccacttgctc 120
 ataggcgagc tcgatctcct catcatctgg acaggtggaa gcgaattctt cccgggcgta 180
 ggcattgctc aagtaccgat gcactcccg gaaggcctcg gggatgggtga atccccggta 240
 cttcttacac accacctgta ctatgtgtaa ctttggcaac aggttgcagt tagccaggg 300
 gagctcggtg ccacccaaaa acttctctg agagacacct tcatcttcag cactgggttc 360
 atccacttct tctgggaggg gggatgttaa gtaattgtct aaaaccttca gggctttcag 420
 gagtcccttc tccagattgt cattgagtgc tgggtttgaa ttcttgatgt aggcanaaaa 480
 atttggcaaa tatgtncanc ccanaccttg ccgggcgggc cgntcgaagg cgaaatccac 540
 ccacttgngg ccgtctantg gateccaactc gnnccn 576

<210> 1242
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 1242
 ctgctgtggg gtcagcgcca gtcttggcct cattccgett ggggagtcct gttgaccacg 60
 tgcccctgcc ggtgaaagag tcaggggatg gggatgggtg atgtggcgga cacagcccac 120
 c 121

<210> 1243

<211> 240
 <212> DNA
 <213> Homo sapiens

<400> 1243
 aaatgaaatt tgaaaaccaa atagtaagaa atggaaagag atagttgtaa gaatccattt 60
 accaatttta cagctaaaaa ttaaagttaa gtagaaatag caaaagataa cagacaaata 120
 tattatttta ggtcattaat ttatagtgcc ttatcatctt aagttataaa tagaataagg 180
 attttgttat ataaaaacta tcaaaaaagt atcagtgaag agacatgacc tccatgaaat 240

<210> 1244
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 249
 <223> n = A,T,C or G

<400> 1244
 cncctctata gggcgaattg ggccctctag atgcatgctc gagcgggccgc ccggggcaggt 60
 gtctgtgggtc atctctttca cctgcatttt atttgggtgtt tgtctgaaga aaggaaagag 120
 gaaagcaaat acgaattgta ctatttgtac caaatctttg ggattcattg gcaaataatt 180
 tcagtgtggt gtattattaa atagaaaaaa aaaaattttg ttccctaggt tgaagggtcta 240
 attgatacnt ttgacttatg atgaccattt atgcactttc aaatgaattt gctttcaaaa 300
 taaatgaaga gcag 314

<210> 1245
 <211> 569
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 365, 435, 451, 458, 484, 488, 493, 496, 515, 526, 540, 544, 563, 567
 <223> n = A,T,C or G

<400> 1245
 ctgggtccagg atagcctgcg agtcctccta ctgctactcc agacttgaca tcatatgaat 60
 catactgggg agaatagttc tgaggaccag tagggcatga ttcacagatt ccaggggggc 120
 caggagaacc aggggaccct ggttgtcctg gaataccagg gtcaccattt ctcccaggaa 180
 taccaggagg gcctggatct cccttggggc cttgaggtcc ttgaccatta ggagggcgag 240
 taggagcagt tggaggctgt gggcaaaactg cacaacattc tccaaatgga atttctgggt 300
 tggggcagtc taattcttga togtcacata ttatgtcacc gcagagaacg gatcctgagt 360
 cacanacaca tatttggcat ggttctggct tccagacatc tctatccgca taggactgac 420
 caagatggga acatnctcct tcaacagctt nctgttgncc caaaataata gtgggatgaa 480
 gcanaacnag aantanccac ctcccttttc acaancttat catgtntaat ataaacttan 540
 aatntttgtc aaaaaggaaa aanaaancc 569

<210> 1246
 <211> 169


```

cgttcagagcc cctgttcac tcagcaaagc tctccttgaa cttaatgcga tacaactcga 180
ctttctcacc catggagagg ctgtccagg aggccttctc cttctccttc agtgccttct 240
ggctggcaga caggtgcttg acatgggcca cctccggcaa ggggtggtca cgccgatcca 300
tataagctgg gagcgaaaag tcttcgctct tcacaacact ttcattgagct cgtac 355

```

```

<210> 1254
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<400> 1254
aaaatgtttt atttcatagc tcataaaaaa gtatgtatgt acaagactca agtaaataga 60
aaggcagctt tcaatcacia atcagttttt cagattttac tgtggaagca tatttaatagc 120
acacatttga atgttacaca taaataattt taacgatgga gtccaagtcc tggattttac 180
attagattcg catatataag acacttgtgg tcaaatttca agattggtaa agccagtttc 240
aagctgctta tattttgagt acaggtttca ctattacaaa tatatgatgt taaactaaca 300
aactcatgac cttcaaagat gtcttcgtcc caccacacaca catttgtaat ttgtgtccat 360
ttgctatttc ccttcttcta taatcttcaa attatatagt tatgcattga gttccctatg 420
catctcacc atctccttt 439

```

```

<210> 1255
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 266, 315, 335, 339, 353, 371, 385, 389, 396, 411, 445, 473,
475, 482
<223> n = A,T,C or G

```

```

<400> 1255
aaattcttgc attacacttt tcttttttaa ccaatcttcc aggagattaa tcaatgaaat 60
ttataagttt tatcaacgta taaaattttt ttcattctct gggactcata gaatacaatc 120
tgtgtttctg accagttgag gtagttaaaa tagggagggc ttttctaatt tcgtatttga 180
ctatttcaga aagaaagggt atcttttact ggtgagcaca gtcattgctc tgcagatggg 240
ctaggattca aagaatataa cacagngttg ttatcataaa gagtgttgaa gtttatttat 300
tatagcacca ttganacatt tttgaaattg gaatnggtna aaaaataaaa canaaagcat 360
ttgaattgta nttggtggaa cagcntaana agaganatat ccatttttct ntgtcaaact 420
atacctgttt ccaaacattt tgganataaa taactgggaa ttttggcggc ccncttggcc 480
cntggt 486

```

```

<210> 1256
<211> 539
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 371, 426, 482, 492
<223> n = A,T,C or G

```

```

<400> 1256
aaattcttgc attacacttt tcttttttaa ccaatcttcc aggagattaa tcaatgaaat 60

```



```

ttataagttt tatcaacgta taaaattttt ttcattcttct gggactcata gaataacaatc 120
tgtgtttctg accagttgag gtagttaaaa tagggagggc ttttctaatt tcgtatttga 180
ctatttcaga aagaaagggt atcttttact ggtgagcaca gtcattgctc tgcagatggg 240
ctaggattca aagaatataa cacagtgttg ttatcataaa gagtggtgaa gtttatttat 300
tatagcacca ttgagacatt ttgaaattgg aattggtaaa aaaataaaac aaaaagcatt 360
tgaattgtat ntgggtggaac agccaaaaaa agagaagtat catttttctt tgtcaaatga 420
tactgnttcc aaacattttt ggaaataaat aactggaatt ttgtcgggca cttgcactgg 480
gngacaagat tngaaccaag aggaacgcct attggagcta aaattttttt gttgggatt 539

```

<210> 1257

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 378, 501, 506, 531, 548, 581, 582

<223> n = A,T,C or G

<400> 1257

```

aaatgtgtac aaattcagag gtttaaaaaa cttcgaaagt cacagacaca gaatttagga 60
agctgaaggc tgagagtctc ctttctcact taatccatgc tttattttgc attcctcaca 120
ggtaaggagg cagtgcctgt tatgctgtgg accaagacca gcccacgga gctgatcttc 180
aaaaaaatgg aatttactct ggcatactcc tatgtatgat acctttccaa ggccaaatcc 240
caagagacca gcaagtgcaa ctttgggcaa tgatccaaat ctagaattag ctgccaaata 300
accttggtag actagtcctt gggtgacaag catgcttaca agagaaaaag gcagagctct 360
cttccagaaa ctttcttctt gacattctcg cataatcttt gagatctctg ctctgtggat 420
gtgcagtttt gattttggac aaaacaacag gctctgcttg cttgggggtg gaaaatgggc 480
atctttatct ttggtttccc naacanacgc tgaggccatg atgacttttg ncttgcctct 540
cttccagntg gttatcctct tcttactcct ttgacccatg nnt 583

```

<210> 1258

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 306, 404, 503, 521, 524

<223> n = A,T,C or G

<400> 1258

```

ggcaggctct tggtaaaaat cttggccctc tgtgctcaga tcttacctca cgttcttctt 60
ctattaaatg catctaagag tgtgtgatgg ggatggagac aacctattct gggaacccaa 120
aatctatggc totgcattga tttctgtatt ggaagggtca gtaaattttg tatttctctc 180
tgtgtgtctt tccattactt tactgcagtg aggattttgt gtcatcacga gatgttgaat 240
taatgatagc aggtgatatc cttaggaaag actttgtatt tcagaaatat gtgaattcac 300
cttttnaagg gcataaatcc agcttaacca tgaacataat ataggactta catacaatta 360
tattcccttt ttggcaagtg gactgatttt ccaagaatgg gttncgatat aatttttcaa 420
ctgaaccaga gggtcattgg gacttacatg gcagaatgaa aatcaatgtg cacttaataa 480
tacaatggaa tcagcttttc ttngatcact ccattccatt ntanaattct tttctttc 538

```

<210> 1259

<211> 251

<212> DNA
<213> Homo sapiens

<400> 1259
aaaatgttta atttgcaata tacataatac tggaattgaa atgctgtctg atggaaatgt 60
tgcaatgtgg agtaggaggg tcaagttcgt gaagatattc ttaaaattaa tcttggaac 120
tctgtgccta tgaggtttct ctaaagtggc taaaatatgc atttaatatg ttgtctaaat 180
gagtacattt aattctagag actgtaagga gtagagatta tatgcttttg ggctttttgt 240
agcatttttt t 251

<210> 1260
<211> 350
<212> DNA
<213> Homo sapiens

<400> 1260
ctgccccctc ttccacaagt actcaagcct gtttgtaaact actgaaggaa ttgatggggg 60
tgaggaaagg aggtgcatgt gaccaggggc ccaaggccac agcttttcag atcctaggaa 120
gcaagtggca tttgcttgag ttgtggcctc ggaaggagaa tgtttatctg ttttctaact 180
ttgctgacac caggattctc cctgtcattg agaagaaagc attatctaact taccttcagg 240
tggtttactt attctgtaaa gaatatgtgt aaatatattg tacagagccc tgtatcaaat 300
aaacagccat atgtgggttac taatcacctc ttctgtcatt cctgccttgg 350

<210> 1261
<211> 435
<212> DNA
<213> Homo sapiens

<400> 1261
ggacccagtt ccttaccagc ctccctttct ctgtcagtgg ggacgtcacc agccaagctg 60
gaagccatta atgaactaat tcgttttgac cacatatata ccaagcccct agtcttagag 120
ataccctctg agacagagag ccaagctaact gtggtagtga aaatcgagga agcacctctc 180
agcccctcag agaatgatca cctgaattc attgtctcag tgaaggaaga acctgtagaa 240
gatgacctcg ttccggagct gggatatctc aatctgcttt catccagcca ctgccaaaag 300
ccatcttctt gctactgga tgcttacggg gactgtggat acgggggttc cctttcccca 360
ttcagtgaca tgcctctctt gcttggtgta aaccattctt gggaggacac ttttgccaat 420
gaactctttc ccag 435

<210> 1262
<211> 198
<212> DNA
<213> Homo sapiens

<400> 1262
ggactgccgg tcacacacca gcacgtccca cctcgtgctc acggatttat tacacagata 60
gtggcggcaa tggcctcagc ccagcccacc ctacactgct tttccagccc acaaaggggg 120
acgatcacgg ccagcaaaa gcgatgctga gaggggaaac agtccagagt ccaacagcag 180
aacttggggg aagcgggc 198

<210> 1263
<211> 176
<212> DNA
<213> Homo sapiens

```
<400> 1263
tgggcattgt gggctacgtg gaaacccctc gaggcctccg gaccttcaag actgtctttg 60
ctgagcacat cagtgatgaa tgcaagaggc gtttctataa gaattggcat aaatctaaga 120
agaaggcctt taccaagtac tgcaagaaat ggcaggatga ggatggcaag aagcag      176
```

```
<210> 1264
<211> 245
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 167, 193, 200, 201, 206, 210, 217, 225, 231, 233, 236
<223> n = A,T,C or G
```

```
<400> 1264
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag aggggtgaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttaaa tagcaccttt agaaaaattc acaagtcccc atccacnaaa aaaaaaaaaa 180
aaaaaaaaat ttncggggan naaaantaan ttttaanaaa aaggnacccc ntncnngggg 240
ggcct      245
```

```
<210> 1265
<211> 469
<212> DNA
<213> Homo sapiens
```

```
<400> 1265
ctgaagatag atcgccatca tgaacgacac cgtaactatc cgcactagaa agttcatgac 60
caaccgacta cttcagagga aacaaatggt cattgatgtc cttcaccctc ggaaggcgac 120
agtgcctaag acagaaattc gggaaaaact agccaaaatg tacaagacca caccggatgt 180
catctttgta tttggattca gaactcattt tgggtggtgc aagacaactg gctttggcat 240
gatttatgat tccctggatt atgcaaagaa aaatgaacct aaacatagac ttgcaagaca 300
tggcctgtat gagaagaaaa agacctcaag aaagcaacga aaggaacgca agaacagaat 360
gaagaaagtc agggggactg caaaggccaa tgttggtgct ggcaaaaagt gagctggaga 420
ttggatcaca gccgaaggag taaaggtgct gcaatgatgt tagctgtgg      469
```

```
<210> 1266
<211> 547
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 368, 378, 404, 407, 434, 446, 487, 500, 506, 511, 514, 523,
526, 531, 535, 538, 541
<223> n = A,T,C or G
```

```
<400> 1266
ctgctcggtc cagagtaggc ttgcgagact gcattctctg gatgtcccaa tagataacct 60
caaggagctt ggcgtcagga agcaattgcc ctcagcaaac cttctggggc aggcacagtc 120
atgagtttgc ccacattctg tattcatgat aaacagtttg ctgtttgata gtatagactc 180
agtggaatgt tggtcacgtc ccatgggctt ttggtctctt gtatatcctc ctttctgttt 240
atgtattaat tgaaggagtg taaggccagg gtgggcagct ctcattttcc cattgggtgt 300
```

```

ccatccaact ttacagactg tccctggtgc tccagtagtt tctcagcctc ctgtgtggtt 360
ttcttgantt gtccccangt tatggggggt gatgtcatga ctgnggnogg ctttctctcc 420
gtcttcgcac tcangctcag acctgnccgg gcggcccgtc gaaaagggcg aattccagca 480
cacttgnggg ccgttactan tggatntcta nctnggggtcc aanttngcog naatnatngg 540
ncataaa 547

```

```

<210> 1267
<211> 525
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 378, 439, 460, 476, 485, 505, 512, 518
<223> n = A,T,C or G

```

```

<400> 1267
ctgctcggtc cagagtaggc ttgcgagaact gcattctctg gatgtcccaa tagataacct 60
caaggagctt ggcgtcagga agcaattgcc ctccagcaaac cttctggggc aggcacagtc 120
atgagtttgc ccacattctg tattcatgat aaacagtttg ctgtttgatc gtatagactc 180
agtggaatgt tggtcacgtc ccatgggcct ttggctctct gtatatactc ctttctgttt 240
atgtattaat tgaaggagtg taaggccagg gtgggcagct ctcatcttcc cattgggtggt 300
ccatccaact ttacagactg tccctggtgc tccagtagtt tctcagcctc ctgtgtggtt 360
ttcttgagtt gtccccangt tatggggggt gatgtcatga ctgtggtcgg ctttctctcc 420
gtcttcgcac tcagctcana cctgcccggg cggcgcgtcn aaagggcgaa ttccancaca 480
cttgnccggc gttactatgg atccnagctc gnaccaanct tgget 525

```

```

<210> 1268
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<400> 1268
ctgattaatc attgttgatg actgcagttt ttcccatcct tcccgattta catctgttca 60
ggccaattca aatatggtga gtaaataaat tagacatgca aattcaagcc ccaggctaga 120
aagagggaga gagaggaaaa gagagagaaa gagagagagc gcgcgcgatg ctgaaatcct 180
aggcgagaag aaagattctt ctgcctgata gttattttta tgctctaaaa atcctgcaaa 240
tcagaccttc ctgtcccttg caggataact gtaaggcttt ttaatgtaag gaggcctctg 300
gaggaagtga agagctatgg aaacaacaca catagtgtgg aaaaatttca catttttttt 360

```

```

<210> 1269
<211> 83
<212> DNA
<213> Homo sapiens

```

```

<400> 1269
ccaattcttc ttctcccccc caccctaaaga catgtgagca actgctaata aaaagcagta 60
aacagccgct taggctatag cag 83

```

```

<210> 1270
<211> 293
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> 252, 256, 270, 285, 288
 <223> n = A,T,C or G

<400> 1270
 cattattaga gcaggaagta caagcattta aaatatgtag ttcccatata tttcagggtc 60
 tctgtgtatt aagctaactc agatgttttg aaagcttttt ctttaaacag aggtgaaata 120
 tctgtggcta aaaagtttga gatttgtgat aactttgtag tcatgtaaaa ctttaagtgt 180
 tcatgcctct ccaaagtgtg ttattctaata aaatggagaa atgagctaaa aaaaaaaaaa 240
 aaaaaaaaaa anccncccc gggggggccc tcaaagggg aaatnccncc ccc 293

<210> 1271
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 1271
 ctgcaagggg tcaacagcta gaatcacgcc tttctgaagg gcagagtatg ctgtaaccac 60
 aaacttctaa ttctgggttc tgcacatca ggaagagaat atcctacagg acagtctctc 120
 ttgtatactg cataaaggac tagaatgtgg attcatttct gcttgctttt tgatccttat 180
 ggtcctttat gctggcctca aacttgtcaa gcacatgttg gcagacattc atgagctcat 240
 tcaggcctct ctgaaatggc tcaacag 267

<210> 1272
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 446, 566
 <223> n = A,T,C or G

<400> 1272
 attccacttg ggaggggtcag gctgtggcct tctggagcag gtggcttggt aaggaacgct 60
 agcagggcat ggcacgtgag ctccggaata gatgtcttca tcaacttcttc cactgtgtgt 120
 tgacactggt ttcccttacct atttcctcag atccccagct ttctcctctg ctatgcattt 180
 tottcacagt gcagcttgca gtccgttgct gaaaatgatt ataagcctg cataatgtta 240
 agctttattg tgattacgtg tatgtttcct ctttctttta agcagaccca tacctttcca 300
 ggggtcaaagt acagaataga atacattgat acaaagtaca gaaaaatact ttgattttta 360
 tccattttct ttactctgtg taaagacttt agaagtctaa ttcacaggca aaccaatata 420
 gaattgactg cagttgaaca gactanaagt atttgtggga ggagtgcacat gaagcatgag 480
 ttatctgatt tttttttag ctgctatata ttttaagcct tcatttgcaa ttcattgtta 540
 cagtgtgtca taaatacaca ataaanccat cctgttcaat 580

<210> 1273
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 467, 555, 575

<223> n = A,T,C or G

<400> 1273

```

aaaataactt aaaaattatt gagagtagat tttaactatt ctgcatatta ttttctttgt 60
gatatatgca ttttctgtca ttttccatgg gaaatttgac attgcaacct cacctgaggc 120
catcactttt tccttgatgc tacgaacct cctgtcatgt gtttgtacca tatcagtagt 180
gaaactgaca gtgctctgat aggggtatac tcttttatcc caatctatat cccaataccc 240
aatagcccag tattcttaga atccagttgt attcatactc tcctggatca tttctgttcc 300
tttgtaatat agtccctttc ttcccttaca ggctcatatg acattaacag acaagacact 360
tttcagaaag acaggtaagt catttggtta aatctcacta ctgttggtta acagaaacat 420
atatatgcat gtatatgtgt gtcagtatgg aaaaagtggg attagangtt tatctagaaa 480
agaaaaaatt acctctctaa gtgcagaaat gaataatact taaaccatac ctacaattct 540
ctttatattt cccanataag tcaaaaattaa aaan 575

```

<210> 1274

<211> 216

<212> DNA

<213> Homo sapiens

<400> 1274

```

aaatactgtg taaaaacttt ttttacacct aagctgtggt tttgatactg atatttttct 60
atgctgaata gttttcttac tttcagggaa ggtaagaaaa tacttttttt atatttggtta 120
cttatgtaac attcatattt ttctcatttt gatatttgta acatactgta tgctttctac 180
ttgtaaatgt caacaataga attaaaatat ttattt 216

```

<210> 1275

<211> 74

<212> DNA

<213> Homo sapiens

<400> 1275

```

aaatttttatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
gtgtaaaata cctt 74

```

<210> 1276

<211> 276

<212> DNA

<213> Homo sapiens

<400> 1276

```

aaagtgttta tttttttcta taatacattt cattcaaata ataaaagtct gatacatttt 60
tttctcaaga acaacttaca ctcatgtgag atgctttttc tttcctttta tottatagga 120
tggaacaaaga tacactttta tggacaaaa acaccagagt tcattacaaa tacagcttcc 180
caggcccccac ctccagcact tctgactgag cgtctgggac gcatacctagg atcgcaaaac 240
tgtaaaattc cccagtcata ctccacggca ggcagg 276

```

<210> 1277

<211> 370

<212> DNA

<213> Homo sapiens

<400> 1277

```

ccaggctggt gtcgaactcc tgggctcaag ccattgccca cctcaaagtg ctgggattac 60

```

```
<210> 1278
<211> 586
<212> DNA
<213> Homo sapiens
```

<400> 1278							
agaagatcaa	acagcgactg	tttgagaacc	ttagaatgct	gccgcacgca	cctgggggtcc	60	
aaatgcaggc	gattcctgag	gacgccatcc	ctgaggagag	tggcgatgag	gacgaagacg	120	
accctgacaa	gcgcatctcg	atctgctcct	ctgacaaaacg	aattgcctgt	gaggaagagt	180	
tctccgattc	tgaagaggag	ggagaggggg	gccgcaagaa	ctcttccaac	ttcaaaaaag	240	
ccaagagagt	caaaacacag	gatgaaaaag	agaaagaccc	agaggagaag	aaagaagtca	300	
ccgaagagga	gaaaaccaag	gaggagaagc	canaagccaa	aggggtcaag	gaggaggtca	360	
agttggccctg	aatggacctc	tccagctctg	gcttctctgt	gagtcacctca	cgtttcttcc	420	
ccaacccttc	agattttata	tttnctattt	ctctggggaa	tttatataaa	aatttattaa	480	
atataaatat	cccccaggga	cagaaaccaa	ggcccccagc	tcagggcaga	cctgcccggc	540	
gggccgttcn	aaagggcgaa	ttcagcaccn	ttncggccgt	tctnng		586	

```
<220>
<221> misc_feature
<222> 519, 537, 550, 563, 566, 571, 575
<223> n = A,T,C or G
```

<210>	1280
<211>	668
<212>	DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 42, 264, 522, 530, 554, 559, 567, 594, 602, 605, 616, 634, 637, 645

<223> n = A,T,C or G

<400> 1280

```
ccacccctat ggnacagggc cttgagggag ggtgagtgtg gnggcgggtct tacgtgttct 60
tctcatacct ggcaaacaga gtgagcacia gccgctggaa gccaagcggg aaggcacatc 120
tagaagggca gtgagctctg gaatgctaca ggcacgtgtg gatggatgag gctccatggc 180
ggccaaggag atatctgctc ctgagtaagg tcacctgacc acagacagca ccaggggctg 240
gggggctaag aaggagatct tganaaggat ggacctgagc taaagatgta acttagatgg 300
tgatctgaaa aaaggaaaaa agaataaacg ctggaactca aatccactgt ttaggggtaca 360
ggagtagaca gctaagttcc aggtatccag aatcttgtgt ccaaatacata gcacaaggag 420
aacaggaatt ctcttgagtt aaggcaaaat caatcttcac ccatctgggc tottccattg 480
catggttttg aaaggaaggg ctgggcagag atcattcctc tncccatctn cccaccttgc 540
cggggcgggc caanggccna attccanccc cacttgccgg ggccgggtac ctantgggaa 600
tnccnaacct tcggtncccc aaaacctttg ggcngtnaat tcatngggcc attagctggt 660
ttccctgt 668
```

<210> 1281

<211> 402

<212> DNA

<213> Homo sapiens

<400> 1281

```
aaagtgaact ttagcactaa aatgcctaga agattttact ccagacctat aaggaaatgt 60
ttagttttta tgaaaaatga caagtcgatg gttaaacttc tcatgtcttt ggtgcttttg 120
ccctaatagc actggacaac accacgacca catggaaaca tatttttgga agcaaaactt 180
taattttata taacgtatgc tatggagagc taagacaatt taaggactac ttgttttcta 240
ttttttttct taataaaatg gaatccactg tgttgaagac tottgatata atgtgcttgt 300
ctaaccattt ttgtttttat aaattagaat aaaatatagt tgtgataatg gcatcgaatg 360
gatttgtttg gaaagctaca tcttatttgt gaaatgtttt tt 402
```

<210> 1282

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 119, 120, 129, 135, 137

<223> n = A,T,C or G

<400> 1282

```
ctgaggccaa ggagtgaaaa acctattact actaagagaa ggggtgcaga gtgtttacct 60
ggtgctctca acaggactta acatcaacag gacgtaaaaa aaaaaaaaaa aaaaaaagnn 120
tgattccant aaaaananttg tgg 143
```

<210> 1283

<211> 361

<212> DNA

<213> Homo sapiens

<400> 1283

```
caattttgct aatagtggct tattcacaga tataaataaa gtattagcat aaatcgtagc 60
cttaaaaaag cctttttatat gtccttttat atagaatttt acatgggtctt caaagaatag 120
tatgtaattg agaaaaagat tagaaggga tatgtagaaa tagaaagaat tatgttagag 180
tgataggatt atgtaatttt ttcttagtat ttctcagtt catcaaactt tctattatac 240
cctgattata ctgattatat tacctctac gctgaactcaa aatctttttt tttccctca 300
ggtgggcgaca tgtctaagaa tgtgagccag tcacagatgg caaaattgaa ccaacaaatg 360
g 361
```

<210> 1284

<211> 403

<212> DNA

<213> Homo sapiens

<400> 1284

```
aaagtgactt ttagcactaa aatgcctaga agattttact ccagacctat aaggaaatgt 60
ttagttttta tgaaaaatga caagtcgatg gttaaacttc tcatgtcttt ggtgctttgg 120
ccctaatagc actggacaac accacgacca catggaaaca tatttttgga agcaaaactt 180
taattttata taacgtatgc tatggagagc taagacaatt taaggactac ttgttttcta 240
ttttttttct taataaaatg gaatccactg tgttgaagac tcttgatata atgtgcttgt 300
ctaaccattt tttgttttat aaattagaat aaaatatagt tgtgataatg gtcacogaat 360
ggatttggtt ggaaagctac atcttatttg tgaaatgttt ttt 403
```

<210> 1285

<211> 105

<212> DNA

<213> Homo sapiens

<400> 1285

```
caagttttat gattttattta acttggtgaa caaaaaataaa ccagattaac cacaaccatg 60
ccacctgccc gggcgccct cgagccctat agtgagtcgt attag 105
```

<210> 1286

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1286

```
aaattattat ttatagaaag aatctataaa ttcttgggga agtgtgttat aagctttaat 60
aattacattg agctgcacct cagtgggtgtg tcattaacat gcagtggggt taatatctga 120
ggcctcagat gactttgtgc cttttggaat aaagggtaaa ataaactctc ccagagtaag 180
agctgtatc 189
```

<210> 1287

<211> 568

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 539, 563

<223> n = A,T,C or G

<400> 1287

```

aaaaacacta cttttgcttt tttatttacc ttttaagaca ttttcatgct tccaggtaaa 60
aacagatatt gtaccatgta cctaattcaa atatcatata aacattttat ttatagttaa 120
taatctatga tgaaggtaat taaagtagat tatggccttt ttaagtattg cagtctaaaa 180
cttcaaaaac taaaatcatt gtcaaaaatta atatgattat taatcagaat atcagaatat 240
gattcactat ttaaactatg ataaattatg ataatatatg aggaggcctc gctatagcaa 300
aaatagttaa aatgctgaca taacaccaaa cttcattttt taaaaaatct gttgttccaa 360
atgtgtataa ttttaaagta atttctaaag cagtttatta taatggtttg cctgcttaaa 420
aggtataatt aaacttcttt tctcttctac attgacacac agaaatgtgt caatgtaaag 480
ccaaaaccat cttctgtgtt tatggacctg cccgggcggg cgctcgaaag ggcgaattnc 540
agcacactgg cgggcgggtac tantggat                                     568

```

<210> 1288

<211> 248

<212> DNA

<213> Homo sapiens

<400> 1288

```

aaaaggtttc tttataatga aaagggttaa atagctactc tgctaccaca tgcgtccagca 60
gttccacctt tagggctctt aagagatatt tgtacaccca tgttcacagg agcattattc 120
acaatagcca aaggatggaa gcaacattgg tgtccatcga cagaccatgg ataaacaaaa 180
catggtatag acatccaatg aaatattatt cagccttaa aaagaagaaa attgacacat 240
gctacaac                                     248

```

<210> 1289

<211> 322

<212> DNA

<213> Homo sapiens

<400> 1289

```

aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaataggagg ggcttttcta atttcgtatt tgactatttc agaaagaaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggt aaaaaaataa aa                                     322

```

<210> 1290

<211> 339

<212> DNA

<213> Homo sapiens

<400> 1290

```

cttacataat ctttgttttg atatcacagt tgtctaatta ttttactttg tagcttaagg 60
caggctgaat tgttgataaa atggaaaaag tagtatattg ttatataagc ttctgagggtg 120
tgttttgttg tataagccct ggagggttaa aagtcattcc ttatgtatag tagttaaagg 180
cataaaactg tgacttttag atattccaca gaaccagact tatttgatgt ggataataac 240
caatgattta gcattttgtt tgcttttgtt ttattttatc cgggttcatt ttttactctt 300
cccatgcaca tgaaacagggt ggtggcgtgt agagatcag                                     339

```

<210> 1291

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1291

```
cccgcctcgg cctcccaagg tgctgggatt acaggcttga gccactgcgc ccggccactg 60
ctttctcttt aagctccttt agaacaaagc tgctgtcaag gctcactttc atcagcccct 120
aggacatccc accagaatag ctctccacct ccttgccctgt tctagtcccc aagtccccac 180
tgcctgcag                                     189
```

<210> 1292

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 113, 191, 318

<223> n = A,T,C or G

<400> 1292

```
ctgttggaacc ggcacatttc tatgccacaa atgaccacta cttctctgat cttttcttaa 60
agtattttaga aacatacttg aacttacact gggcaaagtgt tgtttactac agnccaaatg 120
aagttaaagt ggtagcagaa ggatttgatt caggaaatgg gatcaatatt tcacctgatg 180
ataagtatat ntatgttgct gacatattgg ctcatgaaat tcatgttttg gaaaaacaca 240
ctaatatgaa ttttaactcat ttgaaggctc tgagctggat aactgggtgg ataattaatc 300
tattgatcct tctcggngg acatctgggt aggctgtcat cctaatag 347
```

<210> 1293

<211> 516

<212> DNA

<213> Homo sapiens

<400> 1293

```
aaacagatgg agttactgtg aagaagtttt cacaactatt tatgctggta aaacaaatgc 60
tgttaaatca ccttatgcgt cgttttcaac agcagtgggg ctaattaccc ggaatacggg 120
ctcaccgatg cagttttcat ggacatagaa aattcaaata gaatatataa tattgaattt 180
aagatttggg gggttaaaaa agaaaactta actttataaa attatttatt ctatttttaag 240
ccttctatca tattttccca tccaattggt tggtttcagt ggtccagctt tatttacagg 300
catataaaat gaaattgtga gatgttttgc aagcttcttt ttactttgag tagcttttaa 360
tttgatgtgt tttatgtgga tgaagagcat ttttatgct tttgtgcaat aggttccaat 420
atgcatttat tagacatctg tttaaatggg aatgtagcat ttattttgct aaattgtaag 480
ggaacataga tggaattcca aaatatgtac attcag 516
```

<210> 1294

<211> 157

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 68

<223> n = A,T,C or G

<400> 1294

```
aaacatctca catatacaaa ataggtacaa tttaattttt ctgcttgccc aagaaacaaa 60
```

```

gcttctgngg aaccatggaa gaagatgaaa atgagactga caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcata 157

```

```

<210> 1295
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<400> 1295
aaaaaaaacc caaaaattaa tggctcaaga tactacattg ctaaagttag gggaaaaaag 60
taaaaaggct gtgagttctg ttgcaagagc tcattttagt acttgcaaaa tctaactaat 120
tttatattat gcttgttggt agagcagtg ccaaaattac agaagcttca aattgttatg 180
ttttcacaaa atttgctaca tatgttgaca tgaatgtgtg tcagggaatt catacccagg 240
taaatgacaa ttacatcagt atagctaatt ttggccacct tgggaggaat ggaattctgc 300
ctatittcga attaatccta cagcactcgc taaaaactaa cagccatggc accataatac 360
atittgtgag gtccctagaat attactaatg gaaacaaaaa atgtgaggta aaccgacctt 420
tccccaaaga actttgaagc cagaaatttt acctgcccg ggcggggcgc tcg 473

```

```

<210> 1296
<211> 652
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 4, 13, 35, 355, 443, 453, 468, 470, 488, 526, 530, 535, 557,
573, 576, 577, 585, 588, 594, 597, 598, 609, 612, 618, 632,
639
<223> n = A,T,C or G

```

```

<400> 1296
gctnctactt aanaatgctt ctctctcccc cactncttca cttaaggtat aagtctaccc 60
ctaaagtgca ttcttcaggc attaaaaaca gcaactgtgat ttgctttcca cagagtccta 120
aataacagcc accttcttca ttgagagggc tacagagttc aagctgagct gtgacaggag 180
ccagggggcc agggccccag aatagctttt tgaaaaaaa taattatgcc acctctctcc 240
gcggcaggta tcttctctta ccacaaataa atattttaat catccttgga gtcattgaaat 300
attgagaacc caattgacac ttcaatttcc agaaaaataa aatcatgaag gcatngtgta 360
aatattctga atttggtgga atgagacaac gcgtaagggg gcgggcctga agtctcgggt 420
ttggaactgg gggtttgggg tantgctggg tangcaagtc ctggaacncc caggctatac 480
cttgcccngg cgcccgcctc gaaccctata gtgagtcgta ttaanaaan ggcgnaattc 540
ccaaccacca cttggcnggg ccggtttacc tangtnngaa tccnaancc ttcnggnnac 600
ccaaaagcgt tngggcgnta aatcattggg gncattaanc ttggttttcc ct 652

```

```

<210> 1297
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<400> 1297
ctgtaggatt gccagattta gaaaaaccaa acaatgagaa aaaccagcat gctcagttaa 60
atttgaattt cagacaaaca atgaatgctt ttactgtaaa tatatgccaa atattgcatg 120
aaacattctt aacgtgaaat tgtttctctg aaattcaaac ttaactgggc atcttgctact 180
tgatctgaca atcctacaaa tagataaata caaaaaagaa aggagagggg gttgtaaccc 240
ctgccactgt tgggtcacac agagactaaa aataaaaaaca acacgaataa tgaaccaaag 300

```

agtcactaca ctggttgctc acac

324

<210> 1298

<211> 567

<212> DNA

<213> Homo sapiens

<400> 1298

```

gagaaaggca tgaagtctac cttcaaattc atggcatttt agaaggaaaa attgtcgcaa 60
gtaatgtgat tatacttcct agttttatag gtcagaaaaa tgagggtccac actaattttg 120
cctcttccac agggagatag attctcatct accatttgtt cttttgtttc tgtttttgtc 180
atgatacctc aaattgatat atgttgtaat tatgaattta aggaagtaaa aaaataactc 240
agggtctggag ctttcagcca tattaacata cattgacata aagacctttg ttttaatatg 300
aatgattcca gttaacaaat ggagaaatag ttgtttgaaa attaatattt agcttctcaa 360
aagagactcc tgtttggaag caaattgttg gtttaacagg acatacttta gatatttgaa 420
aaattctctg tggaaatcaca atctcttatt ttaagaatg taggaatatg tgttctatat 480
gcttttaagt tatgtattac atactattct ctaaaataga aatgtttatt tggcttctaa 540
aaagtcattt gtgagttgat gttattt 567

```

<210> 1299

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 626, 640, 649, 655, 661, 670, 702, 712, 714, 720, 731, 744, 758, 764, 765

<223> n = A,T,C or G

<400> 1299

```

gtccaccgc cgggcgagca gggaaaggca aaggcaaagg cggctcggga gattcagcgc 60
tgaagcaagt gcagatagat ggccttgtag tattaaagat aatcaaacat tatcaagaag 120
aaggacaagg aactgaagtt gttcaaggag tgcttttggg tctggttgta gaagatcggc 180
ttgaaattac caactgcttt ctttccctc aacacacaga ggatgatgct gactttgatg 240
aagtccaata tcagatggaa atgatgcgga gccttcgcca tgtaaacatt gatcatcttc 300
acgtgggctg gtatcagtc acatactatg gtcattcgt taccgggca ctctggact 360
ctcagtttag ttaccagcat gccattgaag aatctgtcgt tctcatttat gatccataa 420
aaactgcca aggatctctc tcaactaaagg catacagact gactcctaaa ctgatggaag 480
tttgtaaaga aaaggatttt tcccctgaac attgaaaaaa gcaaatatca cctttgagta 540
catgtttgaa gaagtgcccg attgtaatta aaaattcaca tcttgatcaa tggtcctaata 600
gtgggaacct tgaaaaagaa agtcangacc ttcgggccgn gaaccaccnc ttaangggcg 660
naatttccan ccaccacttg ggcggggcgc gttaccttag tnggaattcc cnanccttcn 720
ggtaacccaa ncctttgggg cggnaaaatc atttgggnca ttanncttgg ttttccctgc 780
ggg 783

```

<210> 1300

<211> 324

<212> DNA

<213> Homo sapiens

<400> 1300

```

agaacatata gttgagtggg agtaaacaaa aagataaaca tgcagtgtta tggctgttcg 60
agagaaatcg gaataaaagc ctaaacagga acaacttcac cacagtgttg atgttgagaca 120

```

```

catagatggt gatggcaaag gtttagaaca cattattttc aaagactaaa tctaaaaccc 180
agagtaaaca tcaatgctca gagttagcat aatttggagc tattcaggaa ttgcagagaa 240
atgcattttc acagaaatca agatgttatt tttgtatact atatcactta gacaactgtg 300
tttcatttgc tgtaatcagt tttt                                     324

```

```

<210> 1301
<211> 735
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 177, 419, 442, 542, 552, 572, 618, 625, 633, 651, 652, 662,
668, 674, 686, 691, 693, 706, 709, 716, 726
<223> n = A,T,C or G

```

```

<400> 1301
ctggcatttc ttcgacttct ctccagccga gcttcccaga acatcacata tcaactgcaaa 60
aatagcattg catacatgga tcaggccagt ggaaatgtaa agaaggccct gaagctgatg 120
gggtcaaattg aaggtgaatt caaggctgaa ggaaatagca aattcaccta cacagtntctg 180
gaggatgggt gcacgaaaca cactggggaa tggagcaaaa cagtctttga atatcgaaca 240
cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg tggctctgat 300
caagaatttg gtgtggacgt tggccctggt tgctttttat aaaccaaact ctatctgaaa 360
tccaacaaaa aaaaatttta ctccatatgt gtccctcttg ttctaattctt gcaaccagn 420
caagtgaccg acaaaatttc angttattta tttccaaaat gtttggaaaa cagtataatt 480
tgacaaagaa aaaatgatac cttctctttt tttttgctgt tccaccaaat acaattcaaa 540
angctttttt gntttatttt tttacccaat tncaatttca aaaatgtctc aatgggggct 600
ataataaaat aaacttnac acttntttta ttnaaaacaa acactggggg nnatattcct 660
tngaaatncc taancccaat cttgcnaaaa ncnatgacc tggggnttna cccaanaaaa 720
aaaaanaacc ctttt                                     735

```

```

<210> 1302
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<400> 1302
aaattatata attttagtga atcaaagact tataaaatta caattttggt tttcacaaca 60
tagaaaaaat acaaaaatga ctatatatac ggttgtacaa ttttttacc aaatttcaaa 120
ggagcagtat gtattgaatt taatgtttta taatgtttta tctgaaactc agaactgcaa 180
gtaatttgca ggttgatc                                     199

```

```

<210> 1303
<211> 336
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 302, 306, 313, 319, 324, 331
<223> n = A,T,C or G

```

```

<400> 1303
ctgggcgatg tgcgagctga tagtgagcgg cagaatcagg agtaccagcg gctcatggac 60

```

```

atcaagtcgc ggctggagca ggagattgcc acctaccgca gcctgctcga gggacaggaa 120
gatcactaca acaatttgtc tgcctccaag gtcctctgag gcagcaggct ctggggcttc 180
tgctgtcctt tggaggggtg cttctgggta gagggatggg aaggaaggga ctcttaccct 240
cggctcttct cctgacctgc caataaaaat ttatgggtcca aggaaaaaaa aaaaaaaaaa 300
ancctncccg ggnggccgnt caangggcaa ntcca 336

```

```

<210> 1304
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<400> 1304
ctggaagcca acttgctggc acccccgctc cccaaccctt cttgcctggg taggagaggc 60
taaagatcac cctaaattta ctcatctctc tagtgctgcc tcacattggg cctcagcagc 120
tccccagcac caattcacag gtcacccctc tcttcttgca ctgtcccaa aattgctgtc 180
aattccgaga tctaattctc cctacgctc tgccaggaat tctttcagac ctactagca 240
caagcccggt tgctccttgt caggagaatt tgtagatcat tctcacttca aattcctggg 300
gctgatactt ctctcatctt gcaccccaac ctctgtaaat agatttaccg catttacggc 360
tgcattctgt aagtgggcat ggtctcctaa tggagggaagt gttcattgta taataaagtt 420
attcacctga gtatgcaata aaga 444

```

```

<210> 1305
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 426
<223> n = A,T,C or G

```

```

<400> 1305
aaaattcacg gcaccatgga aatgtagctg aacgtctcca gtttccttct ttggcaactt 60
ctgtattatg cacgtgaagc cttcccgagg ccagcgagca tatgtgcat gaggaccttt 120
ctatcttaca ttatggctgg gaattctact ctttcatctg atacctgtt cagatttcaa 180
aatagttgta gccttatcct ggttttacag atgtgaaact ttcaagagat ttactgactt 240
tctagaata gtttctctac tggaaacctg atgcttttat aagccattgt gattaggatg 300
actgttacag gcttagcttt gtgtgaaaac cagtcacctt tctcctaggt aatgagtagt 360
gctgttcata ttactttggg tctatagcat acttgcactt ttaacatgct atcatagtac 420
atttanaatg attgcctttg attttttttt t 451

```

```

<210> 1306
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 1306
caaattggtca ttgatgtcct tcaccccgagg aaggcgacag tgctaagac agaaattcgg 60
gaaaaactag ccaaaatgta caagaccaca ccgatgtca tottcgtatt tggattcaga 120
actcattttg gtggtggcaa gacaactggc tttggcatga tttatgattc cctggattat 180
gcaaagaaaa atgaacccaa acatagactt gcaagacatg gcctgtatga gaagaaaaag 240
acctcaggaa agcaacgaaa ggaacgcaag aacagaatga agaaagtcag ggggactgca 300
aaggccaatg ttggtgctgg caaaaagccg aaggagtaaa ggtgctgcaa tgatgttagc 360
tgtgg 365

```

<210> 1307
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 1307
 aaaaaaaatg tggaggaaaag tagaaattta ccaaggttgt tggcccaggg cgttaaattc 60
 acagattttt ttaacgagaa aaacacacag aagaagctac ctcagggtgt tttacctcag 120
 caccttgctc ttgtgtttcc cttagagatt ttgtaaagct gatagttgga gcattttttt 180
 atttttttta taaaaatgag ttggaaaaaa aataagatat caactgccag cctggagaag 240
 gtgacagtcc aagtgtgcaa cag 263

<210> 1308
 <211> 141
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 94
 <223> n = A,T,C or G

<400> 1308
 ctgtggccct gggggcagggt gggctctgag gctgcaaaca ccttgagtgc cagtgggtccc 60
 agagggggtg aggcctctat ctgtaccttt attncagcca gcctcctggc acagggctgg 120
 gccacatcc tggcctctgc a 141

<210> 1309
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 1309
 taggaacacg aagcacgata agtccatccc agagggaccg gagttatgac aagctttcca 60
 aatattttgc tttaccagcc gatatacaaa cttgtatctg gcctctgtgc cccagcagtg 120
 ccttggtcaa tgtgaatgtg cgcgtctctg ctaaacacc attttatttg gtttttggtt 180
 tgtttttggt ttgctcggat acttgccaaa atgagactct ccgtcggcag 230

<210> 1310
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 234, 247, 251, 263, 271, 274, 280, 285, 286
 <223> n = A,T,C or G

<400> 1310
 ctgattttat ttcctttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
 aggcagtgaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
 gtttttggtg ccttgaattt taagacaaat attctacacg gcataattgca caggatggat 180
 ggcaaaaaaa agtttttttg tacaagcttt tttttttttt tttttttttt tttnaaaaaa 240

aaaaccnccc ngggggggccc ttnaaagggg naantccan ccccnngggg gcg 293

<210> 1311

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 420

<223> n = A,T,C or G

<400> 1311

```

agaaaaagaa ggattgatca gagcattgtg taatacagtt tcattaaactc cttccccccgc 60
tcccccaaaa atttgaattt ttttttcaac actcttacac ctgttatgga aaatgtcaac 120
ctttgtaaga aaaccaaaat aaaaattgaa aaataaaaac cataaacatt tgcaccactt 180
gtggcttttg aatatcttcc acagagggaa gtttaaaacc caaacttcca aagggtttaa 240
ctacctcaaa acactttccc atgagtgtga tccacattgt taggtgctga cctagacaga 300
gatgaactga ggtccttggt ttgttttggt cataatacaa aggtgctaata taatagtatt 360
tcagatactt gaagaatggt gatggtgcta gaagaatttg agaagaaata ctctgtatn 420
gagttgtatc gtgtgggggt atttttt 447

```

<210> 1312

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1312

```

ccacagttga ggggaacttt gccagcattg atgaacggat gaagaagctg ggaaagtga 60
cacatttggt agctggagaa caggggttat ccctacccct gtgaactctg ttaacagctt 120
acatagggtt tcccctttac tataactcta gcatcccat cccatttgac actgggggca 180
agggttcttc ttgcatgtgg gggttatacc cctcccctga tgaatacaga gtggtagcta 240
ggggttggtt atcatcagaa ggtggtctcc cctcagg 277

```

<210> 1313

<211> 365

<212> DNA

<213> Homo sapiens

<400> 1313

```

ctgccgtgcc atatcctgct tggcccgctg cagggcggtt tccagctcct cctgcttggc 60
acgagcatcc ttgagcgcca gctccccacg ctctcagcc tcggcaatgg cggcctccaa 120
cttggcacgc tggttcttga tgttttcgat ctacgcctgc agcctctgga tggcccggtt 180
catctctgaa atctcattcc ggttattccg gaggtcgtcc ccatgcttcc cagcctgggc 240
ctggagggcc tcaaacttgg tctggtacca ggcttcagcc tcagcccggc tgcatttggc 300
catctctca tactgcgctt tgacctcagc gatgatgcc gtccagggtc agggagcgac 360
tggtg 365

```

<210> 1314

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 3, 15, 364
 <223> n = A,T,C or G

<400> 1314
 gantcacaaa tgatnatact taagtgagca aaaatgacaa gttttactag ctaagtagag 60
 aaataaatct cagatgcagc gctacaattt tcattatctt aagcacattg tacattttcta 120
 cagaacctgt gattattctc gcatgataag gatggtactt gcatatggtg aattactact 180
 gttgacagtt tccgcagaaa tcctattttca gtggaccaac attgtggcat ggcagcaaat 240
 gccaacattt tgtggaatag cagcaaattct acaagagacc ctggttgggt tttcgttttg 300
 ttttctttgt tttttcccc ttctcctgaa tcagcaggga tggaggagg gtagggaagt 360
 tacnaattac tccttcaggt agtagctctg aagtggcaca tttaatatca gtttttttt 419

<210> 1315
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 1315
 ccaccaattg gatccaggag aaagtgtggc tctctcagga ggtggacaaa ctgagagtga 60
 tgtttcctgga gatgaaaaat gagaaggaaa aactcatgat caagttccag agccatagaa 120
 atatacctaga ggagaacctt cggcgctctg acaaggaggt agaaaaacta gatgacattg 180
 ttcagcatat ttataagacc ctgctctcta ttccagaggt ggtgagggga tgcaaagaac 240
 tacagggatt gctggaattt ctgagctaag aaactgaaag ccagaatctg cttcacctct 300
 ttttacctgc aataccccct taccacaata ccaagaccaa ctggcataga gccaaactgag 360
 ataaatgcta tttta 374

<210> 1316
 <211> 341
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 55, 69, 103, 111, 143, 152, 166, 191
 <223> n = A,T,C or G

<400> 1316
 ccaaatacagg tcataggatt cttttttttt tttaaanata agtaaatagca tccanaaatg 60
 tatgcacana tttaagtgtt ccccatagtt ttatctgcta ggngataggg nggagcttct 120
 tagtgcttct gctgggaatt canataggac anacttgag cctcanagga cacactgcag 180
 gtagtgcaaa nagacatgga aggaaaacac actgcctgct acatagtttt tatcccaggt 240
 ataatttgtg aggaatgtat agcaaattgt tottaaagca tgaatcctct ttttgaattc 300
 ttgtttttat gaaagccatc caactactta ctcaatcctc t 341

<210> 1317
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 1317
 caaggccatt tttgctggct ataagcgggg tctccggaac caaagggagc acacagctct 60
 tcttaaaaatt gaaggtgttt acgcccagaga tgaaacagaa ttctattttg gcaagagatg 120
 cgcttatgta tataaagcaa agaacaacac agtcactcct ggcggaacac caaacaaaac 180

```

cagagtcatc tggggaaaag taactcgggc ccatggaaac agtggcatgg ttcgtgccaa 240
attccgaagc aatcttcctg ctaaggccat tggacacaga atccgagtga tgctgtaccc 300
ctcaaggatt t                                     311

```

<210> 1318

<211> 345

<212> DNA

<213> Homo sapiens

<400> 1318

```

aaatataatt taagaacccc tccaagcacc ggcgtccggt tctgggttcc accaccaact 60
accgcccttt tcactacctc accccacacc ccttcacagg acacagcttg ggggtcccag 120
gcgggggtccg gggatgtggg atgaccaagg cactgttctg gaaacagaca tgatgatggg 180
ccctgttttc aacttgggca aaggaggcca tagtgaaaca ggttccctcc aacacaaagt 240
tatgacaagg acggtagaaa aacaaaacga agaaacaaaa agggaaacggg gagaaaaatt 300
aagacaaaaa acaaaactca aaaaccttca atatgaaggc agcag                      345

```

<210> 1319

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1319

```

aaatttttatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
gtgtaaaata ccttacaata cattagattc ccaaaaggta ccaaaaagta cagtaaaatt 120
aacacttccg ttacaggaaa tgtatgacgc aaataatata aaattaaaag gtgaaaaaaaa 180
ggtgacactg gtttcctaag atacaattta ctctttacaa ccagggtcca cagggtccagg 240
ctgcagagcg gcagcaggaa gcagagcctc ccacctgctt ctggggggacc tggttaataaa 300
aatcagccca tgatggcgct atggcctctc agacaccaca cgctgcctaa acacctagag 360
ctctggaaat agtcaacagg agagtg                      386

```

<210> 1320

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 231

<223> n = A,T,C or G

<400> 1320

```

ctgattttat ttcctttctc aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagttaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcataattgca caggatggat 180
ggcaaaaaaa gtttttttgt acaagctttt tttttttttt tttttttttt naaaaaaaaa 240
c                                     241

```

<210> 1321

<211> 358

<212> DNA

<213> Homo sapiens

<400> 1321

```

ctggaatgca aagaaatgtg cacaaccag agctctgtca gccttgccaa aactcaagt 60
ccccatggg aggtcttgc aacatatgtt ctgttgagca aagaggttgc aaaccaagcg 120
gttattgcaa taaacaccac ttgtgacaaa caaagtttgc aagtttaaat ttattttta 180
aaaatgcttg tcttcctcac tagacaatca actctatgag ggcagagact atgtcaccac 240
tgtccacca gccctggca cacagtaggt actcaataaa tatatgttg aaggatggat 300
ggaggtaatg gatggaaaga tggatggaag gatgaatgga gggatggatg tgaccag 358

```

<210> 1322

<211> 152

<212> DNA

<213> Homo sapiens

<400> 1322

```

aaaaacaaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60
ttatattaaa catacataca cacaatcttt ttgcttatta taatacagac ttaaattgtac 120
aaagatgttt tccacttttt tcaattttta aa 152

```

<210> 1323

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 18, 27, 35, 60

<223> n = A,T,C or G

<400> 1323

```

ggcctcaatn actgtaanag accctcncag cccanaggcg cccactagga agtcagcagn 60
cctagctcgg ccacacttgg tgctcccagc atcccaggga gagacacagc ccactgaaca 120
aggtctcagg ggtattgcta agccaagaag gaactttccc acactactga atggaagcag 180
gctgtcttgt aaaagcccag atcactgtgg gctggagagg agaaggaaag ggtctgcgcc 240
agccctgtcc gtcttcaccc atccccaaag ctactagagc aagaaaccag ttgtaataa 300
aaatgcactg ccctactgtt ggtatgacta ccgttaccta ctgttgtcat tgttattaca 360
gctatggacc tcgggcccgcg accacg 386

```

<210> 1324

<211> 647

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 398, 556, 611, 638, 642

<223> n = A,T,C or G

<400> 1324

```

aaaccaatct tccaggagat taatcaatga aatttataag ctttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggtctttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagt 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggg aaaaaaataa aacaaaaagc atttgaattg ttttgggtgg aacagcaaaa 360
aaagagaagt atcatttttc tttgtcaaat tatactgntt ccaaacattt tggaaataaa 420

```

```

taactggaat tttgtccggt cacttgcaact ggggttgacaa gattagaacc aagaggaaca 480
catatgggag ttaaattttt ttacctgccc cgggccggcc cgcttcgaaa ggggcgaatt 540
cccagcacac ctggcnggcc cgttacctaa gtgggatccc cgagcttcgg gtacccaaag 600
cctttggccg ntaaatcaat ggggccatta agccttgntt tnccttg 647

```

<210> 1325

<211> 547

<212> DNA

<213> Homo sapiens

<400> 1325

```

ctgctcttca tttattttga aagcaaattc atttgaaagt gcataaatgg tcatcataag 60
tcaaacgtat caattagacc ttcaacctag gaaacaaaat tttttttttt ctatttaata 120
acacaccaca ctgaaattat ttgccaatga atcccaaaga tttggtacaa atagtacaat 180
tcgtatttgc tttcctcttt cctttcttca gacaaacacc aaataaaatg caggtgaaag 240
agatgaacca cgactagagg ctgacttaga aatttatgct gactcgatct aaaaaaaatt 300
atgttggtta atgttaatct atctaaaata gagcattttg ggaatgcttt tcaaagaagg 360
tcaagtaaca gtcatacagc tagaaaagtc cctgaaaaaa agaattgtta agaagtataa 420
taaccttttc aaaaccaca atgcagctta gttttccttt atttatttgg gggtcatgaa 480
gactatcccc atttctccat aaaatcctcc ctccatactg ctgcattatg gcccaaaaga 540
ctctaag 547

```

<210> 1326

<211> 311

<212> DNA

<213> Homo sapiens

<400> 1326

```

ctgcctcccc agctctatcc caacctctcc caactataaa actaggcgct gcagccccctg 60
ggaccaggca cccccagaat gacctggccg cagtgaggcg gattgagaag gagctcccag 120
gaggggcttc tggaagact ctggtcaaga agcatcggtg ctggcggttg ggggatgagc 180
tttttgtttt gtttcttctt tttttagttc ttcaaagata gggagggaag ggggaacatg 240
agcctttggt gctatcaatc caagaactta tttgtacatt ttttttcaat aaaacttttc 300
caatgacatt t 311

```

<210> 1327

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1327

```

aaattagaga ggttaacaag acagatgatt actatgcctc atgtgctgtg tgctctttga 60
aaggaatgac agcagactac aaagcaaata agatatactg agcctcaaca gattgcctgc 120
tcctcagagt ctctcctatt tttgtattac ccagctttcc ttttaataca aatgttattt 180
atagtttaca atgaatgcac tgcataaaaa ctttgtagct tcattattgt gaaacatatt 240
caagatccta cagtaagagt gaaacattca caaagatttg cgtaaatgaa gactacacag 300
aaaacctttc taaggatttg tgtggatcag atacatactt ggcaaatttt tgagttttac 360
attcttacag aaaagtcctt tt 382

```

<210> 1328

<211> 228

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 207
 <223> n = A,T,C or G

<400> 1328
 aaatgcagaa gaagaaacaa aacgaaacaa aaagatcatt ctgcaaagag acctctcaac 60
 tcttcatcag ccagtggcat aactcagaaa ctgatttaac taatttatta ttgagaaaa 120
 ggggattgaa aaaaattggg ggggtataatc ttctgattca caattcccag ccacattctt 180
 ttctgtttat tctctctctt ttttttnttt tttttttttt ttaaaaaa 228

<210> 1329
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 1329
 aaacattttcc tttgctatga tacaaaggat acttacaaac aaaatattac atatgacctt 60
 gttttcgctc ttatgtttctg acaacttggg aacagctttt aatgcacaat ctatacaatt 120
 aatacagggt atatatgaac tataagggtat gctgaaccag aagaatactg acaatatact 180
 gtacaataag ccttaccagt tagtgctgtg gaccatttat accaaaagga aaatgcacat 240
 ctgtacagtc acctttacca g 261

<210> 1330
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 1330
 caggtccacc ccggagatga cacgaggetc acatgactct agacacttgg tggaaagtga 60
 ggcgagaaaa acaatgactt gggccaatta cacgactgca aagctagagc tgccaacagg 120
 gctccaggga gcttggcttc tgtagaagtt ctaaggaagc ggtacgaact ccacggcgg 179

<210> 1331
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 1331
 aaaaaaatta tgacaagctt caggtaaaaa taatttttaa aggggccatt ttctatttac 60
 gtacaatcag tacatcttat ttacatatat gactggatct ttattctatt ttcttcatat 120
 aagatatttt aactggtagg taactgccct attctgtttt tatagaaaga ctaaacaccc 180
 tatttacagg cagttttgat gatgctagtt tgtctccaaa ttacgtactg aatatagtta 240
 aaatcttaat gaataacata aaaattaaga tccgggatta acagactatt ttatgggtca 300
 cactggatat tcaaggagtc ag 322

<210> 1332
 <211> 741
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 586, 602, 620, 627, 731, 734

<223> n = A,T,C or G

<400> 1332

```

ggggctgggc ccttgccttt tgtactacca tcaacatcca cttgcgcac tacagaaggc 60
tgggccttga gcatggggaa tgtggggagg gagcaggaca caccagcact gcaaattggc 120
tccttctccc agggcccaaa gggatagaaa agaaggcaac atgaagttaa ggccctgtga 180
gcagtctaga aggtccttag cagcagcttc tctgaaaaca tgtgttctgc ctctggagaa 240
agggagcaga aaagtgggtgc ctgctggcct ctcctcctcc cctggcagcc tgaagacagg 300
tgcaaagtca actagaagac aggcagcctc ggggacgtgg tcagcgtgca agcattgata 360
tcctcagtggt gggctgcccg atgcaaggat ggctcggaag cgctccggtt gatcttcggc 420
agagagtgtt ggagcagctc aatggaagac aggatctggg gaaaaagagg cctctcttcc 480
tttactttct tcacacagtc aagctaccag cctcttcatt gctttggggc agttcttata 540
tagcttacta agatctgggg aggcataatc tcggcccacc atgaanatga tctgatctcg 600
gntgttgatg tgagaataan gaagctnccc cctcatcagt tcataccaat acgatgccat 660
aaggagtaga catccgactg gaaactgaaa tgggttggtg tcctgcattt cggatcacct 720
ctggggccat ncanaaggac a                                     741

```

<210> 1333

<211> 235

<212> DNA

<213> Homo sapiens

<400> 1333

```

tttaaaaccc aaacttccaa aggttttaaac tacctcaaaa cactttccca tgagtgtgat 60
ccacattggtt aggtgctgac ctggacagag atgaactgag gtccttggtt tgttttgttc 120
ataatacaaa ggtgctaatt aatagtatct cagatacttg aagaatgttg atgggtgctag 180
aagaatttga gaagaaatac tcctgtattg agttgtatcg tgtggtgtat ttttt      235

```

<210> 1334

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1334

```

ccacttgctg cctaaaccaa tcacagcttc agttttgttt tttgtcaagt gttggagtta 60
caagtaggca cctctctgtg cctggatttg ctccaggttc gacttggttg ggggtgaggg 120
ggccaggcag aatcagttta agaaggccat tccaggtgta aatgcctccc ggctctacag 180
ggggtaatat ttactgtcgt cttttccctt cccaggttga ttactgacct gtttgttgtg 240
aagatgctgc tgcaataagc acaaacagaa ctcatgg                                     277

```

<210> 1335

<211> 326

<212> DNA

<213> Homo sapiens

<400> 1335

```

ctgtgctccc gactcctcca tctcaggtac caccgactgc actgggcggg gccctctggg 60
gggaaaggct ccacggggca gggatacatc tcgaggccag tcactcctct gaggtagccc 120
aatcaggtca aagattttgc ccaactggtc ggcttcagag tttccacaga agagaggcct 180
tcgacgaaac atctctgcaa agatacagcc aacactccac atgtccacag gtgttgcata 240
tgtggactgc agaagaactt cgggagctcg gtaccagagt gtaacaacca cgggtgtaag 300
tgccatctgg tagctgtaga ttctgg                                     326

```

<210> 1336

<211> 527
 <212> DNA
 <213> Homo sapiens

<400> 1336
 ctggagaagt tactttttatt cttgcagttt tataactagga agtcaacatt taataagcca 60
 tcatccacaa ttgattaaaa atgttttaato cttaaattgt gcatcaatat cctatgactc 120
 caaattttat ttatcactct ccttcaagtc tgaagaaaat gattaatttg ctaagttcca 180
 cagacagtac agtcccactg acataacatt tagtatgatg tcctactctc atattagaat 240
 taaggacagc cagtatcaaa ctggcctgaa acctgattgt gttcctgggt cagaatacct 300
 gtagtaaatc tgtaaatcca caccaagaca caacattaaa ctagggtgtg tatatcttat 360
 aaaaaccttt tcacagtaaa aatcaacatt aaaattttac caaattccaa cattatgggt 420
 tttgaatcca attaagcttt caaaatgcct gattagctgt gaattaatta taaataaact 480
 catgtagttt gcccagcatt tcaaaatggt tatggactat catgttt 527

<210> 1337
 <211> 625
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 385, 583, 610
 <223> n = A,T,C or G

<400> 1337
 gtggtagaga gctgccaggc tttgtgaatt acaggacatt tgagacaatc gtgaaacagc 60
 aaatcaaggc actggaagag ccggctgtgg atatgtctaca caccgtgacg gatatgggtcc 120
 ggcttgcttt cacagatgtt tcgataaaaa attttgaaga gttttttaac ctccacagaa 180
 ccgccaaagtc caaaattgaa gacattagag cagaacaaga gagagaaggt gagaagctga 240
 tccgcctcca cttccagatg gaacagattg tctactgcc a ggaccaggta tacaggggtg 300
 cattgcagaa ggtcagagag aaggagctgg aagaagaaaa gaagaagaaa tcctgggatt 360
 ttggggcttt ccaatccagc tcgnaaacag actcttccat ggaggagatc tttcagcacc 420
 tgatggccta tcaccaggag gccagcaagc gcactctccag ccacatccct ttgatcatcc 480
 agttcttcac gctccagacg tcggccagcc agcttcagaa ggccatgctg cagctcctgc 540
 aggacaagga cacctacaga cctgcccccg gcggccgctc gangggcgaa ttccacacac 600
 tggcgggcgn tactagttag atcca 625

<210> 1338
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 1338
 ccacaattca aattaaggca acaaacatat accttccatg aagcacacac agaattttga 60
 aagcaaggac aatgactgct tgaattgagg ctttgaggaa tgaagctttg aaggaaaaga 120
 atactttgtt tccagccccc ttcccacact cttcatgtgt taaccactgc cttcctggac 180
 cttggagcca cgggtactgt attacatggt gttatagaaa actgatttta gagttctgat 240
 cgttcaagag aatgattaaa tatacatttc ctacacgaaa aaaaa 285

<210> 1339
 <211> 335
 <212> DNA
 <213> Homo sapiens


```

<400> 1339
ccaggctggt ctcaaaactc ctgacctcag gtgatccacc caccctggcc tcccaaagtg 60
ctgggattac aggcgtgagc cagtgcaccc gaactgcatt tgatttatcc tgtgttcttt 120
attctttata ccattcacaa ttcccccttg atagccatga tgccatttat gcacttcagc 180
ctggggataa gccagggtta ctttaaggaac caacttcaca aaatctaagc cataaagtaa 240
gcattcctaa taaaacaaat tgcaatgtac cattacctta tcactaccag gatcacttag 300
tctctggtgc tcaacacata agtggcaaac tttagg 335

```

```

<210> 1340
<211> 231
<212> DNA
<213> Homo sapiens

```

```

<400> 1340
aaataagttt atgtatacat ctgaatgaaa agcaaagcta aatatgttta cagaccaaag 60
tgtgatttca cactgttttt aaatctagca ttattcattt tgcttcaatc aaaagtgggt 120
tcaatatttt ttttagttgg ttagaatact ttcttcatag tcacattctc tcaacctata 180
atttgggaata ttgttgtggt cttttgtttt ttctcttagt atagcatttt t 231

```

```

<210> 1341
<211> 231
<212> DNA
<213> Homo sapiens

```

```

<400> 1341
aaataagttt atgtatacat ctgaatgaaa agcaaagcta aatatgttta cagaccaaag 60
tgtgatttca cactgttttt aaatctagca ttattcattt tgcttcaatc aaaagtgggt 120
tcaatatttt ttttagttgg ttagaatact ttcttcatag tcacattctc tcaacctata 180
atttgggaata ttgttgtggt cttttgtttt ttctcttagt atagcatttt t 231

```

```

<210> 1342
<211> 202
<212> DNA
<213> Homo sapiens

```

```

<400> 1342
cagatgcatt aggtcttgtt gagtatctta atgagtggct tcagatactc aaaccactta 60
gcgatgaccc cacagtatct gcctcacggt ggaaaatacc aagttcttgg agattactct 120
ttggcagtgg tcttccccct gcacttttct gatctaattt ctgttttata ccttatacco 180
aaaacactta ctaccaacac ag 202

```

```

<210> 1343
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 10
<223> n = A,T,C or G

```

```

<400> 1343
ccgccacatn tttattgcat actcagggtga ataacttatt atacaatgaa cactcctcca 60

```

```

ttaggagacc atgccactt acagaatgca gccgtaaatg cggtaaactt atttacagag 120
gttggggtgc aagatgagag aagtatcagc cccaggaatt tgaagtgaga atgatctaca 180
aattctcctg acaaggagca accgggcttg tgctagttag gtctgaaaga attcctggca 240
gagcgtaggg ggagattaga tctcggaatt gacagcaagt ttggggacag tgcaagaaga 300
gggggggtgac ctgtgaattg gtgctgggga gctgctgagg cccaatgtga ggcagcacta 360
gagagatgag taaatttagg gtgatcttta gcctctccta cccaggcaag aagggttggg 420
gagcgggggt gccagcaagt tggtctccag                                450

```

<210> 1344

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1344

```

ggggcgctccc catggcgact gtggcccggc cctcctctc ttgcctgact ctctctctct 60
gcctgactct agacactaac ttagttccag gttcgggtgc ctgttggtgc tctgtttcc 120
aatagcttag gtcccatggt gggggaggaa ctcagggggc tatgcagccc ccgccag 177

```

<210> 1345

<211> 398

<212> DNA

<213> Homo sapiens

<400> 1345

```

cttcattcca ttggctgggc tccacctacc agttggtgga catccatgtg acagaaatgg 60
agtcatcagt ttatcaacca acaagcagct ccagcaccca gcacttctac ctgaatttca 120
ccatcaccaa cctaccatat tcccaggaca aagcccagcc aggcaccacc aattaccaga 180
ggaacaaaag gaatattgag gatgcgctca accaactctt ccgaaacagc agcatcaagg 240
gttatTTTTc tgactgtcaa gtttcaacat tcagggtctgt ccccaacagg caccacaccg 300
gggtggactc cctgtgtaac ttctcgccac tggtcgggag agtagacaga gttgccatct 360
atgaggaatt tctgcggatg acccggaatg gtaccacag                                398

```

<210> 1346

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1346

```

ctggacctcc aggtgtaagc ggtggtggtt atgactttgg ttacgatgga gacttctaca 60
gggccgacca gcctcgctca gcacctctc tcagacccaa ggactatgaa gttgatgcta 120
ctctgaagtc tctcaacaac cagattgaga ccttctttac tctgaaggc tctagaaaga 180
accagctcg cacatgccgt gacttgagac tcagccacc agagtggagc agtggttact 240
actggattga ccctaacc aa ggatgcacta tggatgctat caaagtatac tgtgatttct 300
ctactggcga aacctgtatc cgggccc aac ctgaaaacat ccagccaag aactggtata 360
ggagctccaa ggacaagaaa cacgtctggc taggagaaac tatcaatgct ggcagccagt 420
ttgaatataa tgtagaagga gtgacttcca aggaaatggc tacc caactt gccttcatgc 480
gcc                                483

```

<210> 1347

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1347

```

ctgaggcagg aagcttttga gatgagccgt aaccgtattg ccgaaaacct gggggatgtc 60
cagataagtg acaagatcac catctcaaag aacttcaagg agaatgtgat tcgccctatc 120
ctgaaagctc acttccggag ggatgagttt ctgggacgga tcaatgagat cgtctacttc 180
ctcccccttc gccactcgga gctcatccaa ctcgtaaca aggaactaaa cttctgggcc 240
aagagagcca agcaaaggca caacatcacg ctgctctggg accgcgaggt ggcagatgtg 300
ctggtcgacg gctacaatgt gcactatggc gcccgctcca tcaaacaatga ggtagaacgc 360
cgtgtggtga accag                                     375

```

<210> 1348

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1348

```

ccaactagca ccgagaagtc atattgaact catttgcagt tgtcttggca attaagcgta 60
ttttttcatt ccagtccaag cacaatgtg gatcactgaa cacagtactg gaagcgccat 120
ttgcaggtac agattgcagt catcattaaa tgagccagaa ggcagatact gtttttattt 180
tgtgtggggg gagggggaag cggcacagta ctagcaggag atgaaataaa atgattagga 240
aacaatgagg ttataagatc actgttctta tttgggttaa gcaggtcatg ttgagaagat 300
ggttatttct ttcaga                                     316

```

<210> 1349

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1349

```

ccagagctgc ggggcctcag tacacggagc tgttccggat gccacagcac agcaccatgc 60
tcaggatcat ctggaagatc atgatcacag cgaccacgat ggcagcaatg ccgatgaggt 120
acagcttccc ggagaagagg tcatcgatct tctggtggca gtctctcttg aagaggttgc 180
tgatgatgtt gctgcccgag ggacacaaat tgttcttgag cactgaggtg gtcaaagcag 240
tcagtgtgct ggagccacag cagtcaagcg tctcgtggaa ggtcttcacc acagccttgg 300
cgttggtggc gtcac                                     316

```

<210> 1350

<211> 225

<212> DNA

<213> Homo sapiens

<400> 1350

```

ctgagtggag ggtggggaca ggtgcaaact ggagaggcct agagagctag agaagcaagt 60
aagggccagg gccagagtgc gtttcaatgg aacaacagcc cagtgccta aggcccctaa 120
ctcttgctgg ctgtttcttg accccaagcc agggttggga gtctcttgga catccatttt 180
ttctaaagga actggacaga gtacacacag gaaaggaagc tgtca                                     225

```

<210> 1351

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 415, 441, 464, 515, 516, 526, 536, 556, 558, 566, 568, 581, 583

<223> n = A,T,C or G

<400> 1351

```

aaaaagtgtg actgtcagtt gtatctgttg cttttctcaa tgattcaggg atacaaatgg 60
gcttctctca ttcattaaaa gaaaacgcga catctttcta agattctctg tgggaaaatg 120
actgtcaata aaatgcgggt ttctgggccca ttctgtcttac tttcattttt tgattacaaa 180
tttctcttga cgcacacaat tatgtctgct aatcctcttc ttcttagaga gagaaactgt 240
gtccttccag tgttgctgcc ataaaggggt ttggggaatc gattgtaaaa gtcccagggt 300
ctaaattaac taaatgtgta cagaaatgaa cgtgtaagta atgtttctac aggtctttgc 360
aacaactgt cactttcgtc tccagcagag ggagctgtag gaatagtgtc tccanatgtg 420
gtcctcccgt gtggggccca ncaatggggg cccctgatgc caanagctct ggaggttctt 480
gaaagagggg acacgaagga aggagtgtgct gggannctc cccatnccaa ggaggnnggg 540
agggtggcct ggaaananct gcctontncc acttttggcc ntnactggat t 591

```

<210> 1352

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 520, 546, 552, 569, 583, 586, 592, 596

<223> n = A,T,C or G

<400> 1352

```

aaaaagtgtg actgtcagtt gtatctgttg cttttctcaa tgattcaggg atacaaatgg 60
gcttctctca ttcattaaaa gaaaacgcga catctttcta agattctctg tgggaaaatg 120
actgtcaata aaatgcgggt ttctgggccca ttctgtcttac tttcattttt tgattacaaa 180
tttctcttga cgcacacaat tatgtctgct aatcctcttc ttcttagaga gagaaactgt 240
gtccttccag tgttgctgcc ataaaggggt ttggggaatc gattgtaaaa gtcccagggt 300
ctaaattaac taaatgtgta cagaaatgaa cgtgtaagta atgtttctac aggtctttgc 360
aacaactgt cactttcgtc tccagcagag ggagctgtag gaatagtgtc tccagatgtg 420
gtctcccgtg tggggcccag caatgggggc cctgatgcc aagagctctg gaggttcttg 480
aaagagggga cacgaaggag gagtgtactg gaagcctcn tgccaaggag gtgggaggtg 540
ccctgnaaat anctgcctca tccacttang gccatgactg ganttnaaat gncagnngtg 600
tg 602

```

<210> 1353

<211> 449

<212> DNA

<213> Homo sapiens

<400> 1353

```

cttcttttag taactagtat aacaagcact ggtatttttg tacaaaaaag aaaaacaaaa 60
gattgactat tgtggtctgc atgacataaa caaacaatg gtgatatcaa agcaacgtat 120
accccagtc agtgtgtgtt gccataattt gcaattcagc ttaacagtgc acccaatcta 180
tatttgcatt ttgatattat ttaagctcta tgtacaagg tttgcatgta tttatatggt 240
tcttagggaa aaaaaatgct ataaactgca aatctgaaat tcaaagtgtg tgttccactg 300
agaccagaag aagaagagga gttttaaaag ggataatttg ttggaaccaa taaagctttt 360
tgctgatgaa cagaaaocaa tactgtgtg cactgagaat aaaaactcat gccacttgt 420
aaaaaaaaacc ccaaaaaaaaa aaaaaaaaaa 449

```

<210> 1354

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1354

```
caaccaatta tcagcaaact ctatggaagt gcaggccctc cccaactgg tgaagaggat 60
acagcagaaa aagatgagtt gtagacactg atctgctagt gctgtaatat tgtaaatact 120
ggactcagga acttttggtt ggaaaaaatt gaaagaactt aagtctcgaa tgtaattgga 180
atcttcacct cagagtggag ttgaaactgc tatagcctaa gcggctgttt actgcttttc 240
attagcagtt gtcacatgt ctttgggtgg gggggagaag aagaattgg 289
```

<210> 1355

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1355

```
ctgagaactt cccctctcag gtgcaaaggg atggcagaga agtctttcca agagggctca 60
atccactaag agattatggc ttagagaagg gaacagctca aagaagccct tgaagagggt 120
gagggtctgg aggactcctg tgggtgcaggc catctcccg atagagtgca tgg 173
```

<210> 1356

<211> 449

<212> DNA

<213> Homo sapiens

<400> 1356

```
ccgggcaggt ccaagttaat gaggtcacgg ccagagcggg gggagaactc gactgcatag 60
actagaccat ccggaccaac gatgtcagag acatgggaga ccgtgggtgcc cgaggcagcc 120
ccgaggtaga gaaccttagc ccccggtttg atgtggatct ggtccacacc acccaggatt 180
gctgctgcta gcttggagcg gaaggggttc caggctcggg actcaatttt gtcactctct 240
tccgaaatcg agactctctt ctctccataa actgattccc cagggaccag gttcttgggt 300
accagtgcac cttcctttcc tcgacaaatg aagacaccct catgccgatg cggtccacc 360
atcacattct tccccgactg gtttctcttt tttctctccc gaccacgacc ccggttgcca 420
ccagaatgga cctcggcccg cgaccacgc 449
```

<210> 1357

<211> 302

<212> DNA

<213> Homo sapiens

<400> 1357

```
aaatgcttct tttatttcat tggttgtaca ttgggtgagt gaactgaata ttacaaccaa 60
aacatagtat tgatacaaat tagactcctg tttacactgt aaggtaatga atgagggaat 120
tctttaagtg ttacagaaaag atttagtaga aatgttacca gtggtatggc tgaaagaata 180
tttcggtgaa gtgctgttat atcctgaaaa ccaagagtga aatgtagtgc ccatacaagt 240
ggagagttag tctcttaact acagtatttt ttgaaactgat atcttcatgt cttggatatt 300
gg 302
```

<210> 1358

<211> 169

<212> DNA

<213> Homo sapiens

<400> 1358

```

ccagaatttc cacatgttca caaaggaaga acttgaagag gttatcaagg acatttaagg 60
aatcctgata ctcagaactt ctctgggaca atttcagttc taataatgtc cttaaatttt 120
atttccagct cctgttcctt ggaaaatctc cattgtatgt gcatttttt 169

```

<210> 1359

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 451, 462, 527, 557, 564, 568, 599, 604, 610, 661, 671, 678, 683

<223> n = A,T,C or G

<400> 1359

```

acatatacctt ggaacagaag atcttattgt ggaagtgact tccaatgatg ctgtgagatt 60
ttatccctgg accattgata ataaatacta ttcagcagac atcaatctat gtgtggtgcc 120
aaacaaatttt cttgttactg cagagattgc agaatctgtc caagcatttg tggtttactt 180
tgacagcaca caaaaatcgg gccttgatag tgtctcctca tggcttccac tggcaaaagc 240
atggttacct gaggtgatga tcttgggtotg cgatagagtg tctgaagatg gtataaaccg 300
acaaaaagct caagaatggt gcatcaaaaca tggctttgaa ttggtagaac ttagtccaga 360
ggagittgcct gaggaggatg atgaactccc agaatctaca ggagtaaagc gaattgtcca 420
agccctgaat gccaatgtgt ggtccaatgt ngtgatgaag antgatagga accaaggctt 480
tagcccttct caactcattg actggaacaa aacccatagc attgggncag cagatccttg 540
tcaccagagc aaccccnttt gcngcanca gatagtcctg aatccctctc tgatcatcng 600
ggnggtgcn tctacacaac agatgccac ggtggatagc attggggaac cccatgttac 660
natctgggat nttcaagnaa atnagccogt cttccacact gggaagga 708

```

<210> 1360

<211> 370

<212> DNA

<213> Homo sapiens

<400> 1360

```

aaagtittgct aaatcttagc acaaatgcag attcccagag ctcttctgat tttgaagttc 60
cctcaactcc agaagctgag ttacctaaac gagagcattt acaatattta tatgagaagc 120
tggcaactgg tgagagtata gcagtcaaaa aaagaaaatg ctcaacttta gatacctaag 180
aattcaaagc gtttcaacct agagcaacca ctaaaaaacc tgcacagaga tgacagtcaa 240
tattacaata gagaaaatac agtacttaaa aatgttcaaa taacctgggtt ggggtgtggtg 300
gctcacactt gtaatcccag cactttgagg tgggcaatgg cttgagccca ggagttcgac 360
accagcctgg 370

```

<210> 1361

<211> 172

<212> DNA

<213> Homo sapiens

<400> 1361

```

ccagcctggt gcaggctgct tcgtagcggg cgctcggtgc ggacttccct tcccgggtct 60
ggatcttttc atcctcgaga caggacaaga tgaagtacac ggcttcttct ggggtaaaaga 120
ccttgaagag cccatcacag gccaaacaaa tgaacctgtc attgggggtc ag 172

```

<210> 1362

<211> 172
 <212> DNA
 <213> Homo sapiens

<400> 1362
 ccagcctggt gcaggctgct tcgtagcggg cgtcggctgc ggacttcctt tcccgggtct 60
 ggatcttttc atcctcgaga caggacaaga tgaagttcac ggcttcttct ggggtaaaga 120
 ccttgaagag cccatcacag gccaaacaaa tgaacctgctc attgggggtc ag 172

<210> 1363
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 1363
 aaatttttca ttttattcaa agttggtaca gaattgctaa catttccata aaataattac 60
 tatacttcag ttacaggaca aaataccaca gaaaggaatg tactttgcaa gaaatgtagt 120
 tcactttaag tttccaaata cttttgaagg ctaatgcagc ag 162

<210> 1364
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 1364
 ccaaagaaga atcatccttt ctactccttc tctttcgtct ggtcactcag aaatataata 60
 ttatcagcta tgattgttgt tgcttgtc 88

<210> 1365
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 261
 <223> n = A,T,C or G

<400> 1365
 ctgatccaga aggagctcac cattggctcg aagctgcagg atgctgaaat tgcaaggctg 60
 atggaagact tggaccggaa caaggaccag gaggtgaact tccaggagta tgtcaccttc 120
 ctgggggcct tggctttgat ctacaatgaa gccctcaagg gctgaaaata aatagggaag 180
 atggagacac cctctggggg tcctctctga gtcaaatcca gtggtgggta attgtacaat 240
 aaattttttt ggtcaaatgt naaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 292

<210> 1366
 <211> 711
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 597, 600, 620, 626, 639, 698, 704
 <223> n = A,T,C or G

```

<400> 1366
aaatgtttat ggttttttatt tttcaatatt tatttttggtt ttcttacaaa ggttgacatt 60
ttccataaca ggtgtaagag tgttgaaaaa aaaattcaaa tttttggggg agcgggggaa 120
ggagttaatg aaactgtatt gcacaatgct ctgatcaatc cttctttttc tcttttgccc 180
acaatttaag caagtagatg tgcagaagaa atggaaggat tcagctttca gttaaaaaag 240
aagaagaaga aatggcaaag agaaagtttt ttcaaatttc tttctttttt aatttagatt 300
gagttcattt atttgaaaca gactgggcca atgtccacaa agaattcctg gtcagcacca 360
ccgatgtcca aaggtgcaat atcaagggaag ggcaggcgtg atggcettatt tgttttgat 420
tcaatgattg tctttcccca ttcattttgtc tttttagagc agccatctac aagaacagtg 480
taagtgaacc tgetgttgcc ctccagcaaca agttcaacat cattagagcc ctgtagaatg 540
acagcctttt tcagggttgcc cagtctcttc atccatgtat gcaatgcttg ttctttncan 600
tggtaggtga atgttctgan gaggcntaat ttggaactng cccggggcgg cccgctccaa 660
aagggcggaa tttccagccc cccctgggcg ggccttntct aatnggatcc c 711

```

<210> 1367

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 583, 616, 625, 631, 640, 649, 673

<223> n = A,T,C or G

```

<400> 1367
ccaggtttta gatattaacc tggetgcaga gccaaaagtg aaccgaggaa aagcagggtgt 60
gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg actttcaacg 120
ggactattat gataggatgt acagttaccc agcacgtgta cctcctctc ctctattgc 180
tcgggctgta gtgccctcga aacgtcagcg tgtatcagga aacacttcac gaaggggcaa 240
aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa agttgaaag 300
agatgacctt caggccatta agaaggagct gaccagata aaacaaaaag tggattctct 360
cctggaaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag agatgaagaa 420
tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga ctaatgtgaa 480
gatggagtct gaggggggtg cagatgactc tgctgaggag ggggacctac tggatgatga 540
tgataatgaa gatcgggggg atgaccagac ctgcccgggc ggnccgtcca aaggggcgaa 600
ttccagccca cttggncggc cgttntcttg nggaatccn agcctcgga cccaacctg 660
gggagtaatc atnggcctta gc 682

```

<210> 1368

<211> 468

<212> DNA

<213> Homo sapiens

```

<400> 1368
ctgaccacag gcatcactga gctgggcccc tacaccctgg acaggcacag tctctatgtc 60
aatggtttca cccatcagag ctctatgaag accaccagaa ctctgatac ctccacaatg 120
cgctgacaa cctcgagaac tccagcctcc ctgtctggac ctacgaccgc cagccctctc 180
ctggtgctat tcacaattaa cttcaccatc actaacctgc ggtatgagga gaacatgcat 240
caccctggct ctagaaagtt taacaccacg gagagagtcc ttcagggtct gcttatgccc 300
ttgttcaaga acaccagtgt cagctctctg tactctggtt gcagactgac cttgctcagg 360
cctgagaagg atggggcagc caccagagtg gatgctgtct gcacccatcg tcccgacccc 420
aaaagccctg gactggacag agagcggctg tactggaagc tgagccag 468

```


<210> 1369
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 1369
 aaatagaatt actttattaa tctttgaaat cagtaattcc aaaggggtgcc tttaccctgg 60
 ctcatgttgt caatggcaca cegatttgtc tcctctctct aggaaacttg tgatgaatgc 120
 tcctctttcc ccctagatcc tccgaaaagg gaggaacaac tttggcggat gatgatgttg 180
 aaattttaag cttgtacaaa gaaaataaag cttcatactg taatctggaa aagaagagga 240
 agcaaaatgc aaatagccaa agagcctctt ttatatcctc tctgtgcagc agcagtaaag 300
 ggacagagaa gacctaagca gtttgggggc atggggcaaa gggaaggtaa aagatacaag 360
 tgtgctctga cggggtatat aatgcatcag 390

<210> 1370
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 1370
 cctggactga ctgatactac agtgccctgc cgccctgggcc ccaaaagagc tagcagaatc 60
 cgcaaacttt tcaatctctc taaagaagat gatgtccgcc agtatgttgt aagaaggccc 120
 ttaaataaag aaggtaaaga acctaggacc aaagcaccca agattcagcg tcttgttact 180
 ccacgtgtcc tgcagcacia acggcggcgt attgctctga agaagcagcg taccaagaaa 240
 aataaagaag aggctgcaga atatgctaaa ctttttg 277

<210> 1371
 <211> 357
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34, 327
 <223> n = A,T,C or G

<400> 1371
 aaaatgattt ttaacattat gagagaactgc tcanattcta agttgtttggc cttgtgtgtg 60
 tgtttttttt taagttctca tcattattac atagactgtg atgtatcttt actggaaatg 120
 agcccaagca cacatgcatg gcatttggtc cacaggaggg catccctggg gatgtggctg 180
 gagcatgagc cagctctgtc ccaggatggg cccagcgggt gctgccaggg gcagtgaagt 240
 gtttaggtga aggacaagta ggtaagagga cgccttcagg caccacagat aagcctgaaa 300
 cagcctctcc aagggttttc accttancaa caatgggagc tgtgggagtg attttg 357

<210> 1372
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 1372
 cctatgacct tggccgcagg gctattgctt atgccactca cagagacagc tattctggag 60
 gcgttgtcaa tatgtaccac atgaaggaag atgggtgggt gaaagtagaa agtacagatg 120
 tcagtgacct gctgcaccag tacggggaag ccaatcaata atgggtgggtg tggcag 176

<210> 1373
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 1373
 aaagtttagc atattctgca gectcttctt ttttttctt ggtacgctgc ttcttcagag 60
 caatacgccg ccgtttgtgc tgcaggacac gtggagtaac aagacgctga atcttgggtg 120
 ctttggtcct aggtttctta ccttctttat ttaagggctt tctt 164

<210> 1374
 <211> 717
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 586, 669, 683, 692, 694, 698, 704, 706, 715
 <223> n = A,T,C or G

<400> 1374
 ggcagcagaa ccaactgacag agctagagga gccattgag accgtgggtca ccaccttctt 60
 cacctttgca aggcaggagg gccggaagga tagcctcagc gtcaacgagt tcaaagagct 120
 ggtaacccag cagttgcccc atctgtctca ggatgtgggc tctcttgatg agaagatgaa 180
 gagcttgat gtgaatcagg actcggagct caagttcaat gagtactgga gattgattgg 240
 ggagctggcc agggcagtg ccacctgaac ttcctcctca tcggactgaa caacggggga 300
 ctccccaccc tcaactgatgt cccgggtggc cgagtcgggtg caggtggagg aagaagaagg 360
 tggcttggtc cttaattctg agggatttgg aacctggagg gtaatctcat tctgacaggt 420
 actggattca ggccctaagg cgggggacag cacagtgttc tcttctcctc cagagttcag 480
 gaagacgtcc agggcctcct ggcccgatat gtccatcagg tccatctgct ccagcatgtc 540
 cacgttcaact tccatggatg acatgctgcc tatgggtctc cgcgntctg caatctgcac 600
 ctgcccgggc ggccgctcga aaggcgaaat tccagcacac tggcgccgt ttacttagtg 660
 ggatccanc ttcggtaccc aanccttggc cntnatenat gggncnttag cttgntt 717

<210> 1375
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 226, 245
 <223> n = A,T,C or G

<400> 1375
 tggagaatca gctcagcagg ccttggccct cccccgtgga caccaggcag ctccactggc 60
 ctccgggtca gccctcaggg ccaccgtgat ggggtggagg agggttaaat aaccatcttt 120
 acagaaataa cagtctccta cagaaagtgc ctgagctcag cccatgggtc gataacctca 180
 tggaaaacaa acaacaaata aaaaaaaaaa gtgctgctga cacctntcaa aatctggttg 240
 acatnaagct 250

<210> 1376
 <211> 594
 <212> DNA

<213> Homo sapiens

<400> 1376

```

agctcttgac ctataaagta taaaaagtaa ttacaatgaa atattcttca gtaaactctga 60
cactttggga ttccaggcaa aaggatcgct tgggtgccaa gagttcaaga ccagcctggc 120
caacatagtg agattctatc tcaatggatc actgtgtggc cgttcagcat cttcctatgc 180
tgtgtcaggc aagagaaatt ctggaagag agcatctcat gtttattaag gagactgggt 240
gtccttgtag aaagtectgc catgcacaac cccggtctta actgatgtgt ttcaccatac 300
tgaaggcaag ttgccatcta acatagttag aggcgagcca gttgtgggtga tctttgttcc 360
tgcctagtcc aatgtgaata acaaaatgaa gaatatcagg atgattcgag accaggaata 420
ctacagatgt ccaacacttc cacctggaat ccccaaagag gctcgctttt agcctccaca 480
ctggttggtg acctgcctct gcagttcact ctgctgcttc agatgaaaat tttcaggtct 540
gtctgccact gtagtgaagc actgctttgg gtagtgtctg tggagaaact tttt 594

```

<210> 1377

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1377

```

ctgtaactgt ctatgtacag aaaccggtct ggggtgctttg gcttacaggt taccttgtgc 60
catacctttg aaacaaggga cctgtccagg cttccttctg gtgg 104

```

<210> 1378

<211> 378

<212> DNA

<213> Homo sapiens

<400> 1378

```

aaatccaggc ttaacatddd cgaggctgct gaataatgta gatccttttc agtggaaaca 60
ccttttccag agcagggtgt ggtttttgat ggcacatgt cactgttgct ggaaatttat 120
agttgagctt ctccagtgcg tcattcaggg catccggtgt ctgtattttg gcaacatttg 180
caatggcact tgttttctcg aatcctgttt ttttggtatg tctttccaag gtgccaattt 240
cttgtttttt ggaaattctc attcctccag cttttactgc aggaggatgt ccccttttcc 300
gaggggagag caggctcttg acttcatttg ccatagcgtg tgccagtgcc agtgccagtg 360
ctggtgctct ggaggctg 378

```

<210> 1379

<211> 508

<212> DNA

<213> Homo sapiens

<400> 1379

```

ctgcgcctcc tgactcgagg acaggccggt ggcaccctga accaggatgt ttccagggtg 60
aaggctctga tggacaaagt tatccacaaa tatcatcttc aggagcatgt tgatccccag 120
ccgtgcaatc ttcccttttc agtccacggg aattcctgcc tgctggtaac tggacacagg 180
cacactctct tcatagcttt ccaccaagac ttctctgggtg acaaaggggc gcagaggggt 240
ggggaacttg acggcttttc cattccggaa gttgacctgg aagtgttcta gattctgagc 300
ttcgtaacgc aggtcaatct gttggaccat cagcttctca aattcctcca caatctcagg 360
caagctaagc cacttgatgc ctggcaaaac tcccaggact cggctgccaa tcttcgtcag 420
cagcaggctc atatgcacct gagcgagcag gccagggtgc aacactttca ctgccacgga 480
gatgaggttg gtggcctcag gttggttg 508

```

<210> 1380

<211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 220, 223, 252, 319, 370, 393, 409, 414, 425, 428, 429, 445
 <223> n = A,T,C or G

<400> 1380
 aaaatgaata aaaaattggt ttactaaact actggtctcc agcaccattt tctgttttct 60
 gttgttttga tgcaggttct tctttgtctg tttcttctct tgctcttttc acagggtccag 120
 ttgcaccatt ttcatcatgt tcatcatggt catcatcact agcaaatttc gttttcttgc 180
 cctgaaactg tactttttct ttaccagacc caggctgggn agntttatta cccittcctt 240
 ttccttttaa tntacgacct tttagacttc atttgtttag ggattcttgt tggctctcta 300
 ttatttttct cagtgtttnt tttcccacct ctcttctag tacttcccaa gtcacacctg 360
 ccgggcggn ccgctcgaaa gggcgaaatc cancacactg gcgggcgtna ctantgggat 420
 ccgancnnng gaccaagctt tggcntaat 449

<210> 1381
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 1381
 aaaatgaata aaaaattggt ttactaaact actggtctcc agcaccattt tctgttttct 60
 gttgttttga tgcaggttct tctttgtctg tttcttctct tgctcttttc acagggtccag 120
 ttgcaccatt ttcatcatgt tcatcatggt catcatcact agcaaatttc gttttcttgc 180
 cctgaaactg tactttttct ttaccagacc caggctgggc agctttatta cccittcctt 240
 ttccttttaa tctacgacct tttagacttc atttgtttag ggattcttgt tggctctcta 300
 ttatttttct cagtgtttct tttcccacct ctcttctag tacttcccaa gtcac 355

<210> 1382
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 1382
 gcctgttgca ggcaaagtga aagtctagaa aataatgcaa atgtcatggc tactctatat 60
 acttttgctt gggttcatttt ttttcccttt tagttaagca tgactttaga tgggaagcct 120
 gtgtatcgtg gagaaacaag agaccaactt tttcattccc tgccccaat ttcccagact 180
 agattttaag ctaattttct ttttctgaag cctctaacaa atgatctagt tcagaaggaa 240
 gcaaaatccc ttaatctatg tgcaccgttg ggaccaatgc cttaattaaa gaatttaaaa 300
 aagttgtaat agagaatatt tttggcattc ctctaattgt gtgttttttt tttttttg 358

<210> 1383
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 1383
 ctggacagta gattacaaag catctccgat cacgttaagg cagatgatca atctgtggct 60
 gcatctgtaa ctctctctgg gaaaataatc ctgttggagt tgggggctct tcccagttgt 120
 ctggttagtt ggcccaggaa ggggcagtc tgaagctggc ggggtggggag ccaggcccca 180

```

cctgtcttgt cactgctcgt tctgtctggc ctctgtcact gatgctgata cggagccctg 240
gcccttggtg acatcactga tgcacaccca ctgcccata actgactcct tccacagggg 300
caccttattg tctccaccag agacagccag gatgttggct gtgatggacc agctcacatg 360
ccacaccaca tcgttgaact tgtgcaacaa tttaggggac cacgtattgc ttgaggcatc 420
atcacaggtc caaatgaaca cacgaccatc ctggggagcag 460

```

```

<210> 1384
<211> 259
<212> DNA
<213> Homo sapiens

```

```

<400> 1384
aaactcacat ccatattaca cctttccccc ctgaaatgta tagaatccat ttgtcatcag 60
gaatcaaaac ccacagtcca ttgtgaagtg tgctatatat agaacagtct taaaatgtac 120
agtgtatttt atagaattga agttaacatt cttattttca agagaattta tggacgttgt 180
agaaatgtac aaatgcattt ccaaactgcc ttaaactgtt tatttttata gacatgtttt 240
ttaaaaatcc taagttttt 259

```

```

<210> 1385
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 362
<223> n = A,T,C or G

```

```

<400> 1385
ccaggctggg gtogaactcc tggggtcaag ccattgccca cctcaaagtg ctgggattac 60
aagtgtgagc caccacaccc aaccagggtt ttgaacatt ttaagtact gtattttctc 120
tattgtaata ttgactgcc a tctctgtgca ggttttttag tggttgctct aggttgaaac 180
gctttgaatt cttagggtatc taagagttag cattttcttt ttttgactgc tatactctca 240
ccagttgcc gcttctcata taaatattgt aaatgctctc gtttaggtta ctcagcttct 300
ggagttgagg gaacttcaaa atcagaagag ctctgggaat ctgcatttgt gctaagattt 360
ancaaaacttt 370

```

```

<210> 1386
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<400> 1386
ccaacagagt gaagccctgt ctctactgaa aatacaaaaa ttagccaggt gtggtggtgc 60
atgcctgtaa taccagctac ttgggagggt aaggcatgag aattgcttga acccaggagg 120
tggaggctgc agtgagccga gatcacgaca ctgcactcca ggtcctagaa tgccacaaaa 180
gcccttgga accttgctct atggggcgtg gctaactcct gaaggtttct gagcaagggg 240
gtaacaggac aggcgggcat gtcataaacg tcacctggga cgtgagtggg 292

```

```

<210> 1387
<211> 181
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> 45, 113
 <223> n = A,T,C or G

<400> 1387
 gttttatttt ggaccaaaaa aaaaagcaat tgaattgttt tgtanctgga ggcatgggca 60
 aggggggtcc ccaggtagta aactccccag gtgggctgag ggctagggct gancctcagg 120
 tgggtctcct gtccccagtg ctaccctgca tagcggcctc cttcccaggc cctggggcag 180
 c 181

<210> 1388
 <211> 560
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 487, 489, 496, 507, 523, 541, 548
 <223> n = A,T,C or G

<400> 1388
 aaagataagg aaagaggctc atagagttaa tatcatttgc cccagggtcac atagttgaag 60
 cggcagagag attagaatgc aactccactc taaagtctct ctgctttcct ccaacatcag 120
 gcgttccccca ttgtaccaca cccttacatg gaaaacaact cttggcggat ttatggctct 180
 caggaggagt tgatctagcc catccaatgt atgccttttt tggagcttgg gagtagagaa 240
 atctggacca catttccaag agggcaagtc tgatttgtct atttcttctt tgtttcagaa 300
 gaaagacctc aacagggtggc gaaagaagca tagaaggatt gaatgctgcc taccgcactg 360
 gtgggctatt aatagttccc ctaagcatgt tctttaatat aaaacggaga aaaatgttga 420
 taaacaaaaa tgtgcaaaacc caatgtgcat gttaataaat gattccaatt taatccccta 480
 aattctnana cttggncgga cccctanggc aattcacctc ggngcgtcta tgatcactcg 540
 ncacttgnga aatggctact 560

<210> 1389
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 399, 453, 472, 482
 <223> n = A,T,C or G

<400> 1389
 ctggctttgc agtcatgcat aaagggtgagg acacttaatt caaggcatct gggggctggt 60
 gtcaccgcac atgaagagta gtgcccatgc tgtcccacga gcttccttgg gaaaaggga 120
 aaacaaatct tttcctcaaa tagaattgtc gcaggaaaga gccatgacat ttcatcact 180
 gtttaaatcat cgggtggcag gattttctttg aagtagaatc tggtagtacc cctcccaatc 240
 tttgctggat cacttctaaa tgggtgaatat actctgtcaa ggaatgttct ggatcttgag 300
 aagcagtcag ggatctttct aatcttgaat ttggggatgg agtggctctt cccccactgt 360
 gtggggaggc tgctgtctgc agtctgcggc ctctggcang gtccttggtg tggacctccc 420
 ggcggccctc aaaggcgaat tcaccactgc ggncgtctat ggatccactc gnccacttgc 480
 gnatatgcta ctggt 495

<210> 1390
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 1390
 aaaggacaag aatccttcaa gaaacaggaa aaaactccta aaacaccaaa aggacctagt 60
 tctgtagaag acatttaaagc aaaaatgcaa gcaagtatag aaaaagcgca ttgaacagtc 120
 ctgggcacta catgtaaatt aagcccaaaag atggggagaa aggaaaagga gagacaaata 180
 tagtccatac tgagtgtcat caacaatcca gactgaagtc ttctatttta atctcaatcc 240
 ctttttctga tttgccaccc atgcctcttc aggettgaaa caatctcttg gttccctaaa 300
 gcactttctt ctgactgctg tgattcagtg aaccttgccc tttgctttct attacttgtg 360
 catttgcttc acctgacaat gtttt 385

<210> 1391
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 1391
 aaacttcctt ctgtggaaga tattcaaaag ccacaagtgg tgcaaatgtt tatggttttt 60
 atttttcaat ttttattttg gttttcttac aaagggtgac attttccata acagggtgtaa 120
 gagtggtgaa aaaaaaatc aaatttttgg gggagcgagg gaaggagtta atgaaactgt 180
 attgcacaat gctctgatca atccttcttt ttctcttttg cccacaattt aggcaagtag 240
 atgtgcagaa gaaatggaag gattcagctt tcagttaaaa aagaagaaga agaaatggca 300
 aagagaaagt ttt 313

<210> 1392
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 1392
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataatatcca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgat 155

<210> 1393
 <211> 568
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 483, 488, 492, 504, 519, 524, 534, 535, 540, 554, 557
 <223> n = A,T,C or G

<400> 1393
 aaacatgata gtccataacc attttgaaat gctgggcaaa ctacatgaag ttatttataa 60
 ttaattcaca gctaatacagg ctttttgaaa gcttaattgg attcaaaaac cataatgttg 120
 gaatttggtg aaattttaat gttgattttt actgtgaaaa ggtttttata agatatacac 180
 accctagttt aatgttgtgt cttgggtgtg atttacagat ttactacagg tattctgaac 240
 caggaacaca atcaggtttc aggccagttt gatactggct gtccttaatt ctaatatgag 300
 agtaggacat cataactaaat gttatgtcag tgggactgta ctgtctgtgg aacttagcaa 360

```

attaatcatt ttcttcagac ttgaaggaga gtgataaata aaatttggag tcataggata 420
ttgatgcaca atttaaggat taaacatitt taatcaattg tggatgatgg cttattaaat 480
gtnacttnot antttaaact gcanaataaa agtaacttnt ccanactcgg ccgnnacacn 540
ctaaggggaa tccnccnctg gcggccgt 568

```

```

<210> 1394
<211> 427
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 404
<223> n = A,T,C or G

```

```

<400> 1394
cttctgagta catcatttca tgtcatctctg ttggcactga tgaagaaccc ttacagttca 60
gggttccttg aacttctacc agtgccactc tgacaggcct caccagaggt gccacctaca 120
acatcatagt ggaggcactg aaagaccagc agaggcataa ggttcgggaa gaggttggtta 180
ccgtggggcaa ctctgtcaac gaaggcttga accaacctac ggatgactcg tgctttgacc 240
cctacacagt ttcccattat gcggttggag atgagtggga acgaatgtct gaatcaggct 300
ttaaactgtt gtgccagtgc ttaggctttg gaagtgggtca tttcagatgt gattcatcta 360
gatggtgccca tgacaatggt gtgaactaca agattggaga gaantgggac cgtcagggag 420
aaaatgg 427

```

```

<210> 1395
<211> 644
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 546, 552, 574, 586, 588, 593, 601, 615, 618, 621, 626, 631,
633, 636
<223> n = A,T,C or G

```

```

<400> 1395
aaagaatctt ttagacatct ggaagccttt ctattcattc ctcagtacag tgttccagcc 60
atcctgcttg ttttttccct ccaatacctc ccagaacaga aacacttgca tcgagtctgt 120
tcctaagaac tagttttgaa aaagaagcga tgtacaaaaa tatttaacag aactatgaaa 180
gatgcaggaa aggagtcttt ctctgtagca aagtagtcgt tgctttgcat ggtttctttt 240
gtatactctt cagggtttgt ttatctgccc catgaataac acagcacctg taggattatg 300
tcggatgaaa aacagaaaag gtctgtctac tataaaccag ggaggcgatg atcttgcaat 360
gagaattgca gttgttgctg ctgaagcttt ggttccatct tcaactgactt caatttttgc 420
tttttgcaag atatgagaaa catggagggt ttctgacctt gttattttgc aaaatttgcc 480
tttgatgaat caaacatgtc aagtaatgcc aaaactttca gcgggttcct tcaaactctgt 540
ttgtgnttca anacctgccc gggcgccgct tcanggggaa ttccanccncc ctngcgggag 600
ntctagtggg tccanctngg nccaancttg ngnaanatgg ctac 644

```

```

<210> 1396
<211> 206
<212> DNA
<213> Homo sapiens

```



```

<400> 1396
caggtggggg aggggcgta tttcaactagg ggcgagttt tatcatcgtc accgcactgg 60
tgagctttgt actttttcac ttctgccatg tacttggccc acgcgtcacc tttacttgtt 120
aatacctcat cctccgtctt ctgcttcttg gctactattc ccgtcttgag ggctagtttg 180
ttcccgcctc tgcgtttgcc cacgaa                                206

```

```

<210> 1397
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<400> 1397
ctgccaacac caagattggc ccccgccgca tccacacagt ccgtgtgcgg ggaggtaaca 60
agaaataaccg tgccctgagg ttggacgtgg ggaattttctc ctggggctca gagtgttgta 120
ctcgtaaaac aaggatcatt gatgttgtct acaatgcatt taataacgag ctggttcgta 180
ccaagaccct ggtgaagaat tgcacgtgac tcacgcacag cacaccgtac cgacagtggg 240
acgagtccca ttatgcgctg cccctggggc gcaagaaggg agccaagctg actcctgagg 300
aagaagagat ttt                                313

```

```

<210> 1398
<211> 151
<212> DNA
<213> Homo sapiens

```

```

<400> 1398
ctgggagcat cggcaagcta cagccttaaa atctgagctc ctcaagtgca caatttctgt 60
cccttttaag ggctcacaac actaaagatt tcacatgaaa gggtcgtgat tgattgagca 120
atctagggga tatgtgacag ggggtttcatg c                                151

```

```

<210> 1399
<211> 654
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17, 406, 420, 431, 441, 476, 488, 515, 517, 522, 538, 542,
549, 552, 557, 561, 564, 575, 594, 601, 604, 620, 623, 626,
642, 645, 651, 652
<223> n = A,T,C or G

```

```

<400> 1399
aaagagctta tcctcanaaa taagcttctg cttgagttgt tgaactacaa aacactattt 60
tctgcagtc tccgaagaat tgtgccatta cttgtgatgc ctctgaatgt ggaggctgac 120
tctcccgctc ctctgtccct cctaccccac ggggccgcag caaaagccat cctgggcctt 180
cgactggggc atgtcttcag gaagattcct gaagaggagg gcccgaaata cctgccttta 240
taggttccca gagtgcctta gaacattctt agatacatat tttttaaaca agtaggactc 300
caccttattt tctccaatag tccccaagca gtacagggtc cttgaagaca taaacattct 360
tcttggttga gggatccacg ccttggtttc agaaatgaca ccacanaagg ctgtgaactn 420
caggagcatc nttgggatgt nccgatgaa ccgggggtta aagggtttct atttcnataa 480
acctgtcnca cttgtccggg aatggggggg aaactnttct tntaataggc accaaccnct 540
antacaaanc antggtngcc nttnaccaca ttgnggaact tcccggccct aagntgggct 600
ngcncaactt taattttatn gancanaaaa ataaacgttt tntcnttgga nnga        654

```

<210> 1400
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 1400
 ctgctgatac ccaggcagta gctgatgctg tcacctacca gctcggtttc cacagcattg 60
 aactgaatga gcctccactg gtccacacag cagccagcct ctttaaggag atgtgttacc 120
 gataccggga agacctgatg gcgggaatca tcatcgcagg ctgggaccct caagaaggag 180
 ggtaggtgta cccagtgcct atggggggta tgatggtaag gcagtccttt gccattggag 240
 gctccgggag ctctacatc tatggctatg ttgatgctac ctaccgggaa ggcattgacca 300
 aggaagagtg tctgcaattc actgccaatg ctctcgcttt gg 342

<210> 1401
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 1401
 ctgaggccaa ggagtgaata acctattact actaagagaa ggggtgcaga gtgtttacct 60
 ggtgctctca acaggactta acatcaacag gacgtaaaaa aaaaaaaaaa aaaaaaaaaa 120
 a 121

<210> 1402
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 371
 <223> n = A,T,C or G

<400> 1402
 aaaaataaga aaatacataa gaccataaca gccaacaggt ggcaggacca ggactatagc 60
 ccaggctcctc tgataccagc agcattacgt gagccaggta atgagggact ggaaccaggg 120
 agaccgagcg ctttctggaa aagaggagtt tcgaggtaga gtttgaagga ggtgagggat 180
 gtgaattgcc tgcagagaga agcctgtttt gttggaaggt ttggtgtgtg gagatgcaga 240
 ggtaaaagtg tgagcagtga gttacagcga gaggcagaga aagaagagac aggagggcaa 300
 gggccatgct gaagggacct tgaagggtaa agaagtttga tattaagga gttaagagta 360
 gcaagttcta nagaagaggc tgggtgctgtg g 391

<210> 1403
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 358, 382, 429, 457, 458, 463, 473, 482, 489, 498, 499, 506,
 514
 <223> n = A,T,C or G

<400> 1403

```
<210> 1404
<211> 473
<212> DNA
<213> Homo sapiens
```

```
<400> 1404
ctccaggcgc cctcggcgc ccatcatggt taattctgtc caacaaacac acacgggtag 60
attgctggcc tgttgtaggt ggtagggaca cagatgaccg acctggtcac tctctctgcc 120
aacattcagt ctggtatgtg gggcgtgcgt gaagcaagaa ctcttgagac tacagggaca 180
gggagccatc attcctgcct gggaatcctg gaagacttcc tgcaggagtc agcgttcaat 240
cttgaccttg aagatgggaa ggatgttctt tttacgtacc aattcttttg tcttttgata 300
ttaaaaagaa gtacatgttc attgtagaga atttgaaac tgtngaagag aatcaagaag 360
aaaaataaaa atcagacctc ggccgcgacc acgctaaggc cgaattccac acacttgccg 420
gcggttctat ggatcccaac ttcggnccca accttgngnt aatcattggc ata 473
```

```
<210> 1405
<211> 267
<212> DNA
<213> Homo sapiens
```

```
<400> 1405
ccctaactta gatgggttttt gaagcctata caattggtat tgttcgaccc ttaagctttt 60
acatctctta gcatggagga cgaagaaagc tgtacattgt tgcttgagag tctgtacatt 120
tagtccagat ttgtatttgc actgtcagta tggcaaatga gtgaaaaaatg tttaatcac 180
tattggattt tttatttctt ttttttgatt cagcttatac ccgggctgaa aacctcaatt 240
tatgttcatg acagtgggga ttttttt 267
```

```
<210> 1406
<211> 298
<212> DNA
<213> Homo sapiens
```

```
<400> 1406
tgaaaaacctt gaaaactatt acctggaggt caatcaactt gagaagtttg acataaagag 60
cttctgcaag atcctggggc cattatccta ctccaagatc aagcattttgc gtttg gatgg 120
caatcgcatc tcagaaacca gtcttcacc ggatatgtat gaatgtctac gtgttgctaa 180
cgaagtcaact cttaattaat atctgtatcc tggacaata ttttatgggt atgtttttct 240
gtgtgtcagt ttcatagta tccatatattt attactgttt attacttcca tgaatttt 298
```

<210> 1407
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 1407
 gaggcaaatt ggtttacacc ttcattgtaat tcttttactt taggggttgt aaagctactt 60
 tattagatat agaatggcag attctctgat ttaaaagggc tgagtttgta ttattactga 120
 tatgaagaat agagtaccaa tgtcattaat tgatttttct tgtaaatcag aattcctatt 180
 ctgtaccttt cctctaaact ctcagatttg taattcttct tttgggagct gagctagtgc 240
 ttttaggaga acagataaat gtggtctcag ccagccctag agactgcttc ttgtgtttgt 300
 gtcattctgt cctgagaaat gaagtcac 329

<210> 1408
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 1408
 tcccaaccct ggcttggggc caagaaacag ccagcaagag ttaggggcct tagggcactg 60
 ggctgttggt ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct 120
 agg 123

<210> 1409
 <211> 674
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 527, 546, 573, 615, 621, 622, 633, 636, 638, 645, 654, 660,
 667
 <223> n = A,T,C or G

<400> 1409
 cttgtgaaac cctggaaatc ttaagtctgt tgaaatacca ggttaaaccac attccaagag 60
 atctgttcaa actcaaattc ttttgtatac ttctgagggtg cctgagaaaa agacttcatt 120
 atttatgaga aaatatgctt tatcttggaa attgtgttca aatgttagct tactattttg 180
 tagaatgaat gtttatgaag ctgatatgag accatctcag aagaaccaag caggttcctt 240
 gaccttttgc ttgcttttct gaacatttggt aatattacac atgtctttct aaattattct 300
 agggatatgca aatgtcaatg gtatgaaaca ccactgtctg gaagaattaa tatattactt 360
 tagtatgtac ctgagctaaa tgactgaagc tttaggggtg catagaaacc accataattt 420
 gtatgacatt ttgaagtga ttaaataatt ttgaacatgc ttcttcgaca gccagtgtta 480
 tatttttcag aatcaccoca agcacaatgg attactcgaa atcagtnntt tcaaattaca 540
 tatttnaagg catgccaaact tgacttttct gtnaaaaata ctggctgccca aattattcct 600
 ttttttttaa acttnggccg nnaacccct tangngnaa ttccncccc tgngggccn 660
 ttcttanggg atcc 674

<210> 1410
 <211> 570
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 497, 510, 537, 543, 550, 566
 <223> n = A,T,C or G

<400> 1410
 ccagagcagg agggagacag aggggaggca ccacacactt tgaagcaacc agatgtgatg 60
 aggactcaat atcaggagaa cagcactgag cgggttggtgc taaaccgttt gtgaggactc 120
 tgcccataa tcccatcgcc tcccaccagg gggcttacat ttcaacatga gactcggatg 180
 ggacacagat ccaaaccaca tcaatagtgc ttatcatgct ttgattatct ttgttaacta 240
 tgttattgaa ctataattta cataccatac aattcaccaa cgtaaagtgt gtaattcaat 300
 ggtcttaagc atattcagag ttgtgtggcc atcgctacag tcaatttttag gacattttta 360
 tactgcaaaa agaaagacct caatcttccc attcctccca tccgaacaa ccactaatct 420
 acttctctat atggagattt gcttattctg gacattttac ctgcccgggc cggccgctcg 480
 aaagggcgaa attccancac acttggcggn ccgtactaat gggatcccaa cttcgtnccc 540
 aanccttggn gtaatcattg ggcattnactt 570

<210> 1411
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15, 37, 76, 210
 <223> n = A,T,C or G

<400> 1411
 aaaaaaaaaa agaanaagaa gggtttataca cactgtncac acattttacaa tggctttgga 60
 ggatagcagt gctgcnaaaa gggcttcagg aggatccggc ctgggacagg attgaggtat 120
 gttgcagcct ccagggcctg gggctctcctg catgaaaaat acccctcccc atttgactgt 180
 gaactttttg gcctggattc tggagaacan atttccagga ttgtca 226

<210> 1412
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 1412
 ctggacgcgc ggcctctggt cagtcttgga agtgcttggt gagggcttcc agcagctcct 60
 gcttcttcag accactcttc agcccgtaag cccggcaggc ctcttttcagc atgggcacag 120
 tgaacttgcc cagcgtaccc ttgtgatgt gggcttctcag ctctctctct gaatactcca 180
 ccttgggcct tttgcttcca gaac 204

<210> 1413
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 435, 466, 486, 512, 529, 536, 555, 573, 584, 589, 600, 606
 <223> n = A,T,C or G

<400> 1413

```

ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcaccc tcaatattcct tttgttctc tggttaattgg tgggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgct 360
caccaactgg taggtggagc ccagccaatg gaatgaggca ttcagggtct tatctagaaa 420
gacttgctcc accangcttg ggggtccaaat tggaggagaa caatgncttg acaagtgacc 480
aacacngagt ccatcgctcaa gttggtgacc angcagaagc ggaatgggna tggagntgac 540
tgccitttag aatgnnggac cttgcctgga tgnccctaca gggngatgnc tttgaagatn 600
ggggngtgaa tactgaggtc ca                                     622

```

<210> 1414

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 473, 514, 538, 546, 548, 553, 561, 569, 595, 604

<223> n = A,T,C or G

<400> 1414

```

ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcaccc tcaatattcct tttgttctc tggttaattgg tgggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgct 360
caccaactgg taggtggagc ccaccaatgg aatgaggcat tcagggtctt atctagaaag 420
acttgctcca ccaggtctggg gtccaaattg gaggagaaca atgccttgac agngaccaca 480
cggagtccat cgtcaatttg tgaccaggca gaancggaat gtgtcatgag ttgactgnct 540
ttgtanangg gngacacttg nctggatgnc ctacacagggg atgacttgag gatngngggc 600
tggntactg                                     609

```

<210> 1415

<211> 390

<212> DNA

<213> Homo sapiens

<400> 1415

```

ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcaccc tcaatattcct tttgttctc tggttaattgg tgggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgct 360
caccaactgg taggtggagc ccagccaatg                                     390

```

<210> 1416

<211> 289

<212> DNA

<213> Homo sapiens

```

<400> 1416
caaccaatta tcagcaaact ctatggaagt gcaggccctc ccccaactgg tgaagaggat 60
acagcagaaa aagatgagtt gtagacactg atctgctagt gctgtaatat tgtaaatact 120
ggactcagga acttttggtt ggaaaaaatt gaaagaactt aagtctcgaa tgtaattgga 180
atcttcacct cagagtggag ttgaaactgc tatagcctaa gcggctgttt actgcttttc 240
attagcagtt gtcacatgt ctttgggtgg gggggagaag aagaattgg 289

```

```

<210> 1417
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<400> 1417
ctgacccacg gcatactga gctggggccc tacaccctgg acaggcacag tctctatgtc 60
aatggtttca cccatcagag ctctatgaag accaccagaa ctctgatac ctccacaatg 120
cgcctgacaa cctcgagaac tccagcctcc ctgtctggac ctacgaccgc cagccctctc 180
ctggtgctat tcacaattaa cttcaccatc actaacctgc ggtatgagga gaacatgcat 240
caccctggct ctagaaaagt taacaccacg gagagagtcc ttcagggtct gcttatgccc 300
ttgttcaaga acaccagtgt cagctctctg tactctgggt gcagactgac cttgctcagg 360
cctgagaagg atggggcagc caccagagtg gatgctgtct gcacccatcg tctgacccc 420
aaaagccctg gactggacag agagcggctg tactggaagc tgagccag 468

```

```

<210> 1418
<211> 591
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 439, 447, 457, 460, 493, 497, 509, 515, 521, 531, 534, 546,
548, 555, 575, 581
<223> n = A,T,C or G

```

```

<400> 1418
ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60
aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctctttttat ttcttttgat 120
tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180
ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
acatgccctg aggccagcag gcgcccagct caggcagcac acgccttcac ttaaaaaggc 300
cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
gttttaagtt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaat 420
aatggtcatt acacttaana atctggncct aattttntan cttcttataa aatacttgac 480
cgatattacc tcntcctttt aagtttctna atcctctgtg ncctgaaggg ntanaatttt 540
tggttnangg ctttngggac aaattttttt ttgcnatggt nggtaaaatt t 591

```

```

<210> 1419
<211> 699
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 663, 676, 689, 693
<223> n = A,T,C or G

```

```

<400> 1419
gcatttacgc attcctccag tottaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa cttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaacccta tgaatgtaag 240
gagtgcggga aagccttcag ttcttccagt tcttttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaa aggtgtccct gttctctctg 360
aagacatgaa aactcactgg ggagaaaacc tatgaatgta aaaatgtgga agcaactttg 420
tatctcaggt cttaatgaac acatatgaat tcacagtgga gaagaccctg catcagggaa 480
tgtggaaatg acttttctga attctcaagc cttaccaaac acatcagaaa tctcctggag 540
agaaactgta tgaatgtaga agaactcttg gaataccttt ctgaatccca caaaccttaa 600
tgggtgtatg tgaacctcac attggagaga aaaccttgca ttttaccctg cccggggcgg 660
gcnctccgaa aagggncgaa attcccagna cnccttggg 699

```

<210> 1420

<211> 646

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 416, 429, 433, 434, 440, 446, 472, 490, 492, 493, 544, 568, 576, 582, 584, 593, 606, 608, 609, 626, 637, 638, 639

<223> n = A,T,C or G

```

<400> 1420
ccttattgaa gatgaatgga tcaccattga taaatttacc agattcactg atgttccttt 60
agctgcggga tttcagtggt acctttctca aactcaactt agtaaactaa aaccagggtga 120
ctggtctcag caagacatag gtactaattt ggttgaagca gataaccaag cagagtggac 180
cgatgttcag aagaagatta tcccatggaa cagtcgtgtt tccgacttag acctggagct 240
cctgtttcag gatcgtgctg ccagacttgg aaagtcaatt agtagactca tcgttgtggc 300
ctcgctcatc gacaaaccga ccaatttagg aggactgtgc aggacctgtg aggtatttgg 360
ggcttcagtg ctggttgttg gcagccttca gtgtatcagc gacaaacagt ttcagnacct 420
cagtgctcnt gcnnaacagn ggcttncctc agtggaggta aaaccacctc anctaattga 480
ttatctgcan cnnaagaaaa cagaagggtg taccctcctt tggaattgga acaaaactgcc 540
aaangtttag acctaaccca atattgcntt cctganaaat tntntgctct tgnccggaaa 600
tgaacntnng ggaattgccg caatngnacc caccagnnng ggcctt 646

```

<210> 1421

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 314, 317, 320, 333, 348, 353

<223> n = A,T,C or G

<400> 1421

```

ccacaaaaaa gcattgcaaag tcattgttac aacagggatc tacagaacta tttcaccacc 60
agatatgacc tagttttata tttctgggag gaaatgaatt catatctaga agtctggagt 120
gagcaaacaa gagcaagaaa caaaaagaag caaaagcag aaggctccaa tatgaacaag 180
ataaatctat cttcaaagac atattagaag ttgggaaaaa aattcatgtg aactagacaa 240

```



```

agtgtgttaa gagtgataag taaaatgcac gtggagacaa gtgcatcccc agatctcagg 300
gacctcccc ctgncntcn accttggggg aantgagaag acaaggantg ggncttggtc 360
cttg 364

```

```

<210> 1422
<211> 668
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 574, 631, 650, 656
<223> n = A,T,C or G

```

```

<400> 1422
aaaggtccaa aagcctgcc aacctggga attctacatt gggacccagt tgatggaaag 60
actaaagcca tctatgcagc acatgtttat gaagtcttat tctgccact tattccagaa 120
tggcagtgtg ttagtaggag agctctacag ctatggaaca ttattaaatg ccattaacct 180
ctataaaaat acccctgaaa aagtgatgcc tcaaggtctt gtcattctctt ttgctatgag 240
aatgctttac atgattgagc aagtgcata ctgtgaaatc attcatggag acattaaacc 300
agacaatttc atacttggaa acggattttt ggaacaggat gatgaagatg atttatctgc 360
tggcttggca ctgattgacc tgggtcagag tatagatatg aaactttttc caaaaggaac 420
tatattcaca gcaaagtgtg aaacatctgg ttttcagtgt gttgagatgc tcagcaacaa 480
accatggaac taccagatcg attactttgg gggttgctgc aacagtatat tgcattctct 540
ttggcactta catgaaagtg aaaaaatgaa ggaggagaa tgtaagcctg aaggtctttt 600
ttagaaaggc ttcttcattt tgggatatgg nggaatgaat tttttcatgn tatggntgga 660
atatttct 668

```

```

<210> 1423
<211> 632
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 95, 305, 338, 340, 437, 487, 496, 513, 520, 530, 552, 604
<223> n = A,T,C or G

```

```

<400> 1423
cctggcttct tcgggatgct ccagaacaaa ggactaacag actactgctt tgactataac 60
cctcccgatg aaaaccagat tgtgggacac caggncattc tgtacctctg tcatgggatg 120
ggccagaatc aagtttttcg agtacacttc ccagaaagaa atacgtata acaccacca 180
gcctgagggc tgcattgctg tgggaagcag aatggatacc cttaccatgc atctctgcga 240
agaaaactgcc ccagagaatc agaagttcat cttgcaggag gatggatctt tatttcacga 300
acagnccaag aaatgtgtcc aggctgcgag gaacgagncn agtgacagtt tcgttccact 360
cttacgagac tgcaccaact cggatcatca gaaatggttc ttcaaagagc gcatgttatg 420
aagcctcgtg tatcaangag cccatcgaag gagactgtgg agccaggatc tgcccaacaa 480
agacttnta acaagngacc agaaaccac canaaactan ggttgattn cttttgaaga 540
agcaatcatt tngccttttg tgaaagtgtg gttggattta attaaaaaag ggaataaac 600
tttnggactt tttttggaaa acttttttac ct 632

```

```

<210> 1424
<211> 318
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> 175, 237, 248, 249, 250, 275, 278, 311

<223> n = A,T,C or G

<400> 1424

```

aaaatgtacc caactgggac caaatacaaa catgagacac taggggtggct tgtccttgat 60
taggaattac cagcttaagg aactttatca tgggctgaga gatagataga tagcttagaa 120
caacattgca aaagtgggtg cttctacatg aggacttttt tcccccccaa gtagnacaat 180
aattaaatct tgtgtttctt tatattgtgc tttttttggg agaaagcaat tcatttnccg 240
atctaaannn tgccggatac aaaggtagtt caganacnta ataatgggtcc ctccaagaac 300
aagggagcaa ncccccta                                     318

```

<210> 1425

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 119, 168, 190, 205, 206, 219, 227, 230, 244, 248, 253, 254

<223> n = A,T,C or G

<400> 1425

```

cctattctct tgttgaccag ggtcaagacc tgctctgtga tgcaggctac cttcatcctg 60
acttctgcgg ctggatcctt ggtgatggag aagtccagcc gaacatagat gataacggng 120
aagaacagga tgtagaaggc cgccaccacc agcaggggct cctgcagnat gaggaccttg 180
ttgaacgtgn agtggaccac aatgnnctga atgggctgnt ctaccanatn tttctttag 240
ggcnacantc acnnggcggc caaatgtgg                                     269

```

<210> 1426

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 397, 408, 474

<223> n = A,T,C or G

<400> 1426

```

ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60
atgccaatgt caagaagggtt ggcattggaag aacttgcaat aaaaggtacg aagccagcct 120
catacatgcc ctgaggccag caggcgccca gctcaggcag cacacgcctt cacttaaaaa 180
ggccgaggag cggcgggata cacctgaatc caattacatc tgggtgaactc cgacatctga 240
aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300
aataatgttc attacactta agaatactgg cctgaatttt attagcttca ttataaatca 360
ctgagctgat atttactctt cttttaagtt ttctaantac gtctgtanca tgatggtata 420
gaatttcttg tttcagtgct ttgggacaaa tttatattat gtcaaattga tcanggtaaa 480
a                                                    481

```

<210> 1427

<211> 589
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 362, 394, 408, 441, 446, 450, 510, 522, 530, 537, 545, 546,
 567, 580, 582
 <223> n = A,T,C or G

<400> 1427
 ctgctgcttg tgctgccatg tccgcaccgg caccatcctg ctcggcgtct ggtatctgat 60
 catcaatgct gtggctactgt tgattttatt gagtgccctg gctgatccgg atcagtataa 120
 cttttcaagt tctgaactgg gaggtgactt tgagttcatg gatgatgcca acatgtgcat 180
 tgccattgcg atttctcttc tcatgatcct gatatgtgct atggctactt acggagcgta 240
 caagcaacgc gcagcctgga tcatcccatc cttctgttac cagatctttg actttgccct 300
 gaacatgttg gttgcaatca ctgtgcttat ttatccaaac tccattcagg aatacatacc 360
 gnaactggct tcctaatttt cctacaaaag aatnatgtca ttgtaagnga atcctacctt 420
 ggttggggccc cctaattaat ncttcttggg taattaacat taatctttga cttttaaagg 480
 ggttaacttg gaataagcct tggggttttt ggaaactgct tccccgaaan ccattcnaat 540
 ggggnnggga aacttccttt ggatggncctc tgggggtttan tnttaaccc 589

<210> 1428
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 1428
 tgggcattgt gggctacgtg gaaacccctc gaggcctcgg gaccttcaag actgtctttg 60
 ctgagcacat cagtgatgaa tgcaagaggc gtttctataa gaattggcat aaatctaaga 120
 agaaggcctt taccaagtac tgcaagaaat ggcaggatga ggatggcaag aagcag 176

<210> 1429
 <211> 628
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 353, 423, 451, 458, 463, 513, 523, 546, 551, 583, 591, 604,
 617, 623
 <223> n = A,T,C or G

<400> 1429
 aaagtacatt atgagaacaa cagccctttc ctgaccatca ccagcatgac ccgagtcatt 60
 gaagtctctc actggggtaa tattgctgtg gaagaaaatg tggacttaaa gcacacagga 120
 gctgtgctta aggggccttt ctcaagctat gattaccaga gacagccaga tagtgggaata 180
 tctccatcc gttcttttaa gaccatcctt cctgctgctg cccaggatgt ttattaccgg 240
 gatgagattg gcaatgtttc taccagccac ctcttattt tggatgactc tgtagagatg 300
 gaaatccggc ctgcttccc tctctttggc ggggtggaaga cccattacat cgntggctac 360
 aacctcccaa gctatgagta cctctataat ttgggtgacc acgtatgcac tgaaagatga 420
 ggnttggtga ccatgtgttt gatgaacaag ngatagantc tcntgactgt gaagatcatc 480
 ctgcttgaag gagccagaa cattgaaatt ganaatccct atnaaaacaa tcgtgcccc 540
 gaaganctgg nctacaccta tctggacact tttggccgcc tgngaattgt ngctacaaga 600

aaanttttga gaacacncat tangacat

628

<210> 1430

<211> 234

<212> DNA

<213> Homo sapiens

<400> 1430

```
ccagcgacct cccggttcaa ttcttcagtc cggctggtga accaggcttc agcatccttc 60
cggttctgct cggccatgac ctcatattgg ctctgcatgt cactcaggat cttggcgaga 120
tcggtgcccg gagcggaatc cacctccaca ctgacctggc ctcccacttg gccctcagc 180
gtactgattt cctcctcatg gttctttctt aggtaggcca gctcttcctt cagg      234
```

<210> 1431

<211> 449

<212> DNA

<213> Homo sapiens

<400> 1431

```
ccgggcaggt ccaagttaat gaggtcacgg ccagagcggg gggagaactc gactgcatag 60
actagaccat ccggaccaac gatgtcagag acatgggaga ccgtggtgcc cgaggcagcc 120
ccgaggtaga gaaccttagc ccccggtttg atgtggatct ggtccacacc acccaggatt 180
gctgctgcta gcttggagcg gaaggggttc caggctcggt actcaatttt gtcctctcct 240
tccgaaatcg agactctctt ctctccataa actgattccc cagggaccag gttcttggtg 300
accagtgcac cttcctttcc tcgacaaatg aagacaccct catgccgatg cggctccacc 360
atcacattct tccccgactg gtttctcttt ttctctcccc gaccacgacc ccggttgcca 420
ccagaatgga cctcggcccg cgaccacgc      449
```

<210> 1432

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 198, 269, 283, 312, 345

<223> n = A,T,C or G

<400> 1432

```
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctccc 120
aagatcctga gtgacatgcg aagccaatat gaggtcatgg ccgagcagaa ccggaaggat 180
ctgaagcctg gtcaccancc ggactgaaga attgaaccgg gaggtcgctt ggacctcggc 240
cgcgaccacg cttaagggcg aaattccanc acacttggcc ggnccgttct tagtgggatt 300
cccaacctcg gnaccaaagc tttagcgtaa atcattgggc attanctttt ttccctgtg 359
```

<210> 1433

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 526, 529

<223> n = A,T,C or G

<400> 1433

```
ctgcttccat tgggtgggtca tttttgctgt caccagcaac gttgccacga cgaacatcct 60
tgacagacac attottgaca ttgaagccca cattgtcccc aggaagagct tcactcaaag 120
cttcatgggtg catttogaca gattttactt ccgttgtaac gttgactgga gcaaagggtga 180
ccaccataacc ggggtttgaga acaccagtct ccactcggcc aacaggaaca gtaccaatac 240
caccaatttt gtagacatcc tggagaggca ggcgcaaggg cttgtcagtt ggacgagttg 300
gtggtaggat gcagtcocaga gcctcaagca gcgtgggtcc actggcattg ccatccttac 360
gggtgacttt ccatcccttg aaccaaggca tgttagcact tggctccagc atgttgtcac 420
cattccaacc agaaattggc acaaattgcta ctgtgtcggg gttgtagcca attttcttaa 480
tgtaaagtgc tgacttcctt aacaatttcc tcatatctct tctggnatgna gggggg 536
```

<210> 1434

<211> 640

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 640

<223> n = A,T,C or G

<400> 1434

```
aattgtcggg gttaacaaaa tggattccac tgagccaccc tacagccaga agagatatga 60
ggaaattggt aaggaagtca gcacttacat taagaaaatt ggctacaacc ccgacacagt 120
agcatttgtg ccaatttctg gttggaatgg tgacaacatg ctggagccaa gtgctaacat 180
gccttggttc aagggatgga aagtcacccg taaggatggc aatgccagtg gaaccacgct 240
gcttgaggct ctggactgca tcctaccacc aactcgtcca actgacaagc ccttgcgctt 300
gcctctccag gatgtctaca aaattgggtg tattggtaact gttcctgttg gccgagtgga 360
gactggtggt ctcaaaccgg gtatggtggt cacctttgct ccagtcaacg ttacaacgga 420
agtaaaatct gtcgaaatgc accatgaagc tttgagtga gctcttcttg gggacaatgt 480
gggcttcaat gtcaagaatg tgtctgtcaa ggatgttcgt cgtggcaacg ttgctggtga 540
cagcaaaaat gaccaccaa tggagcaga cctgcccggg cggccgctcg aagggcgaat 600
tccagcacac tggcggcccc tactagtga tccgagctcn 640
```

<210> 1435

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 523, 600, 622, 633, 644, 702, 708, 710, 714, 723

<223> n = A,T,C or G

<400> 1435

```
cagtgaattg aatacgactc actatagggc gaattggggc ctctagatgc atgctcgagc 60
ggcccggccg tgtgatggat atctgcagaa ttgcgccctta gcgtgggtgc ggccgaggtt 120
tttttttggg gagaaagcag ccagaaaaat ccgactttta tttcttaaat actgtgaagg 180
aagagggggg aaacgggtccc ctgatgagga agggccatag agcaaagagc taaggatcat 240
cagcaaaggc ccgctgggca ttgggggaagc gctccagcaa gtactatgtg actatcattg 300
atgccccagg acacagagac tttatcaaaa acatgattac agggacatct caggctgact 360
gtgctgtcct gattgttgct gctgggtgtt gtgaatttga agctggtatc tccaagaatg 420
```

```

ggcagacccg agagcatgcc cttctggett acacactggg tgtgaaacaa ctaattgtcg 480
gtgttaacaa aatggattcc actgagcccc ctacagccag aanagatatg aggaaattgt 540
taaggaagtc agcacttaca ttaaaaaaat tggctacaac cccgacacag tagcatttgn 600
gccaatcttc ggttggaatg gngacaacat gcntggaacc aaangctaac atgccttggt 660
tcaagggatg gaaagtcgcc cgtaaggatg gcaatgcccc gngaaccnncn ctgnttgagg 720
gtntggactg g                                     731

```

```

<210> 1436
<211> 638
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 27, 34, 36, 46, 312, 377, 436, 452, 468, 479, 498, 506, 525,
528, 531, 536, 553, 562, 580, 588, 590, 602, 608, 613, 621,
622, 635
<223> n = A,T,C or G

```

```

<400> 1436
actatgtgac tatcattgat gccccangac acananaactt tatcanaaac atgattacag 60
ggacatctca ggctgactgt gctgtcctga ttgttgctgc tgggtgttggt gaatttgaag 120
ctggatatctc caagaatggg cagacccgag agcatgccct tctggcttac acactgggtg 180
tgaaacaact aattgtcggt gttaacaaaa tggattccac tgagccaccc tacagccaga 240
agagatatga ggaaattgtt aaggaagtca gcacttacat taagaaaatt ggctacaacc 300
ccgacacagt ancatttgtg ccaatttctg gttggaatgg tgacaacatg ctggaccaag 360
tgctaacatg ccttggncca agggatggaa agtcacccct aaagatggca atgccagtgg 420
aaccacgctg cttgancttc tggacttgca tntaccacc aactcgtnc actgacaanc 480
ccttgcgctc tctttttnca ggatgnccta caaaaattgg tgggnttngg ncttgntcct 540
gttgggcccc atngaaactg gnggttctca aaccccggnn ttgggggnncn acttttgctt 600
cntcaacntt tcnaccggaa nntaaaatct ttccnaaa                                     638

```

```

<210> 1437
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 18, 70, 75, 100, 105, 108, 110, 119, 125, 128, 135, 137,
162, 163, 171, 172, 180, 185, 191, 203, 211, 215, 218
<223> n = A,T,C or G

```

```

<400> 1437
ccaggggtgc taagcagntg gtgggtgcagg aggcattgct gatgatcttg aggctgttgt 60
catactctcn atggntcaca cccatgacga acatgggggn attancanan ggggcaaana 120
ttatnacncc ttttncnttc cccctgcac aatgaatacc cnngtctctt nncatgcccc 180
ggtgnagaga nccccccctg tgncttatac ntacnttntc ttcttccc                                     228

```

```

<210> 1438
<211> 286
<212> DNA
<213> Homo sapiens

```

```

<400> 1438
cgcgggcggca agatggcagt gcaaatatcc aagaagagga agtttgtcgc tgatggcatc 60
ttcaaagctg aactgaatga gttttottact cgggagctgg ctgaagatgg ctactctgga 120
gttgaggtgc gagttacacc aaccaggaca gaaatcatta tcttagccac cagaacacag 180
aatgttcttg gtgagaaggc ccggcggatt cgggaactga ctgctgtagt tcagaagagg 240
tttggctttc caqagggcag tgtagagctt tatgctgaaa aggtgg 286

```

```

<210> 1439
<211> 274
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

```

```

<400> 1439
ntggcagtg c aaatatccaa gaagaggaag tttgtcgctg atggcatctt caaagctgaa 60
ctgaatgagt ttcttactcg ggagctggct gaagatggct actctggagt tgagatgcga 120
gttacaccaa ccaggacaga aatcattatc ttagccacca gaacacagaa tgttcttggg 180
gagaagggcc ggcggattcg ggaactgact gctgtagttc agaagagggt tggctttcca 240
gagggcagtg tagagcttta tgctgaaaag gtgg 274

```

```

<210> 1440
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 114, 195, 244, 333, 341, 364, 382, 390, 432, 437, 441, 447
<223> n = A,T,C or G

```

```

<400> 1440
ccctgggtccc cctggccctc ctggacctcc aggtgtaagc ggtgggtgggt atgactttgg 60
ttacgatgga gacttctaca gggetgacca gctcgtctca gcaccttctc tcanacccaa 120
ggactatgaa gttgatgcta ctctgaagtc totcaacaac cagattgaga cccttcttac 180
tcctgaaggc tctanaaaaga acccagctcg cacatgccgt gacttgagac tcagccaccc 240
atantggagc agtgggttact actggattga ccctaaccaa ggatgcacta tggatgctat 300
caaagtatac tgtgatttct ctctggcgaa acntgtatcc nggcccaacc tgaaaacatc 360
ccanccaaga actgggtatt angaagcttn caagggacaa gaaaacactt cctggcttag 420
gagaaaacta tnaatgnttg naatcanttt caatat 456

```

```

<210> 1441
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<400> 1441
ccacatcggc agggctcggag ccctggccgc catactcgaa ctggaatcca tcggtcatgc 60
tctcgccgaa ccagacatgc ctcttgctct tggggttctt gctgatgtac cagttcttct 120
gggccacact gggctgagtg gggtagacgc aggtctcacc agtctccatg ttgcagaaga 180
ctttgatggc atccagggtg cagccttggg tggggtaaat ccagtactct ccactcttcc 240

```

agtcagagtg gcacatcttg aggtcacggc aggtgogggc gg 282

<210> 1442

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 372

<223> n = A,T,C or G

<400> 1442

```
ccagcaggcg catgaaggca agttgggtag ccatttcctt ggaagtcact ctttctacat 60
tatattcaaa ctggctgcca gcattgatag ttctctctag ccagacgtgt ttcttgctct 120
tggagctcct ataccagttc ttggctggga tgttttcagg ttgggcccg atacagggtt 180
cgccagtaga gaaatcacgg tatactttga tagcatccat agtgcaccc ttggttaggt 240
caatccagta gtaaccactg ctccactctg ggtggctgag tctcaagtca cggcatgtgc 300
gagctgggtt ctttctagag ctttcaggag taagaagggt ctcaatctgg ttgttgagag 360
acttcagagt ancatcaac 379
```

<210> 1443

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 15, 21

<223> n = A,T,C or G

<400> 1443

```
ggcgccnng caggnccatt nacagtatgg tatttctgaa tgacaatctt atccacggag 60
tcatggtcgt caaagggttac aaaggcaaaag ccccttttct tgccactgcc tcggtcagtc 120
atgatttcaa tcaacttcaat ttttccatag tgttcaaaat aatctcttag gtgatgttct 180
tcagtgtctt ctttaatgcc accaacaat atctttttca cagttaagtg ggcacctgt 240
ctttgagaat cttctctgga gacagctctc tttggttcca caactcttcc atccaccttg 300
tgtggccttg cattcatagc tgcacccacc tctccacag tggcatatgt gacaaaccca 360
aagccccttg agcgttgggt gtttggtatc ctcattacca cacagtcctg gagcgttccc 420
cattgctcaa aatggctcct caggctctca tcagttgttt caaagctcaa ccttccaatg 480
aagagcttcc tcag 494
```

<210> 1444

<211> 271

<212> DNA

<213> Homo sapiens

<400> 1444

```
tggcagtgca aatatccaag aagaggaagt ttgtcgctga tggcatcttc aaagctgaac 60
tgaatgagtt tcttactcgg gagctggctg aagatggcta ctctggagtt gaggtgcgag 120
ttacaccaac caggacagaa atcattatct tagccaccag aacacagaat gttcttggtg 180
agaagggccg gcggattcgg gaactgactg ctgtagttca gaagagggtt ggctttccag 240
agggcagtgt agctttatgc tgaaaagggtg g 271
```


<210> 1445

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 424, 455, 480, 495, 496, 505, 506, 513, 523, 531

<223> n = A,T,C or G

<400> 1445

```
ctgggtgggta acaagtggat cgcatgttc agtagtttat acattatgtg agaagtaacg 60
ttctgattct ttttcttaca cagaattggc agaggggggc gatttgggag gaaaggtgtg 120
gctataaaact ttgttactga agaagacaag aggattcttc gtgacattga gactttctac 180
aatactacag tggaggagat gcccatgaat gtggctgacc ttatttaatt cctgggatga 240
gagttttgga tgcagtgtc gctgttgctg aataggcgat cacaacgtgc attgtgcttc 300
tttctttggg aatatttgaa tcttgctc atgtcataa cggatcagaa atacagattt 360
tगतगकाा गगगगगग तगगगगग तगगगगग तगगगगग तगगगगग तगगगगग 420
ttanagttag actgttgggg tgggtataaa agatnggggt tgtaaaactt tctttcttan 480
aaatttattt cctanntctg tacanntggt tgnttagatg tcnctatcat ntc 533
```

<210> 1446

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 404

<223> n = A,T,C or G

<400> 1446

```
cttctgagta catcatttca tgtcatcctg ttggcactga tgaagaaccc ttacagttca 60
gggttccctg aacttctacc agtgccactc tgacaggcct caccagaggt gccacctaca 120
acatcatagt ggaggcactg aaagaccagc agaggcataa gggttcgggaa gaggttggtta 180
ccgtggggca ctctgtcaac gaaggcttga accaacctac ggatgactcg tgctttgacc 240
cctacacagt ttcccattat gccgttggag atgagtggga acgaatgtct gaatcaggct 300
ttaaactgtt gtgccagtgc ttaggctttg gaagtggta tttcagatgt gattcatcta 360
gatggtgcca tgacaatggt gtgaactaca agattggaga gaantgggac cgtcagggag 420
aaaatgg 427
```

<210> 1447

<211> 275

<212> DNA

<213> Homo sapiens

<400> 1447

```
cacctgccgt gacctcaaga tgtgccactc tgactggaag agtggagagt actggattga 60
ccccaaccaa ggctgcaacc tggatgccat caaagtcttc tgcaacatgg agactggtga 120
gacctgctgt taccctactc agcccagtgt ggcccagaag aactggtaca tcagcaagaa 180
ccccaaggac aagaggcatg tctggttcgg cgagagcatg accgatggat tccagttcga 240
gtatggcggc cagggctccg accctgccga tgtgg 275
```

<210> 1448

<211> 627
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 349, 405, 410, 460, 503, 512, 514, 554, 590, 596, 614
 <223> n = A,T,C or G

<400> 1448
 gccgaggtaa aatactgtca tttgctcaaa gctggctgcc aaatgtttgg tgatgaaggc 60
 agaaatgaat ggctcaaaac ttgggagaag agcaaaacct gaagggggccc tccagaacaa 120
 tgatgggctt tatgatcctg actgcgatga gagcgggctc tttaaggcca agcagtgcaa 180
 cggcacctcc atgtgctggt gtgtgaacac tgctggggtc agaagaacag acaaggacac 240
 tgaaataaac tgctctgagc gagtgaagaac ctactggatc atcattgaac taaaacataa 300
 agcaagagaa aaaccttatg atagtaaaag ttgcggaact gcacttcana agggagatca 360
 caccgcgtta tcaactggat ccaaaaattta tcacgagtat tttgnatgan aataatgtta 420
 tcactattga tctggttcaa aattcttctc aaaaactcan aatgatgtgg acatacttga 480
 tgtggccttat atttttga aaanatgttaa angngaatac ttgtttcatt ctaaaaaaaaa 540
 tgggccctaa agtnaaatgg gggaaccacc tgggattttg gatcctgggn caaacnttta 600
 aatttattat tgcnggggatg aaaaaaa 627

<210> 1449
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 130, 146, 157, 162, 222, 223, 272, 304, 308, 316, 317, 340,
 342, 349, 378, 405, 409, 423, 433, 434, 438, 446, 449, 467,
 470
 <223> n = A,T,C or G

<400> 1449
 caaaagggtga ctagacatac ttggaagtgc aaagcagtag gatgtagctt gcagggaaaa 60
 gaaaaccctt ttccatgttg ttaggcagaa gtatatcaaa tatatcccaa ttccacttga 120
 taaagtcagn ttggatgacc tccttnaacc aatctanggc anaacactta gtaaaagcgg 180
 gccctgggtg gggatgtgaa tccaggagaa gaggggcacc annatcccat gcagcgccaa 240
 acacatccat tccaccctct aacacatacg angcatgtca ccccatgtgc ctggacacaa 300
 gatntacnat aacaggnagc taatgggcac tgctcccacn gnetggggnt ttctaattgg 360
 cttttaaatt caaggccttg gaaaaaaatc cttttacccc ccaancacna aacttggcct 420
 ttngaccttt ccnncatnac aggatnttnt ggggggaaaa ttctttnggn tcccatac 479

<210> 1450
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 1450
 ccacatcggc agggctcggag ccctggccgc catactcgaa ctggaatcca tcggtcatgc 60
 tctgcgccga ccagacatgc ctcttgtcct tggggttcct gctgatgtac cagttcttct 120
 gggccacact gggctgagtg gggtagacgc aggtctcacc agtctccatg ttgcagaaga 180
 ctttgatggc atccaggttg cagccttggg tggggtaaat ccagtactct ccactcttcc 240

agtcagagtg gcacatcttg aggtcacggc aggtgcgggc ggggttcttg c 291

<210> 1451

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 19, 31, 360

<223> n = A,T,C or G

<400> 1451

```
cagaattccc cttcgagcng ccgccgggca ngtcacagca gtcaagtggc aatcaaaact 60
ctgctagagc cagaacgaaa ctccctcata atcacgtctc gtcccttttg gtccatatct 120
ccatgcacgg cggatacagt gaaatctcga gcacgcacat tctcgggtgag ccagtcacac 180
ttcctccggg tggtgatgaa gatgactgcc tgggtgatgg tcaggggttc atacaagtca 240
catagtgtgt ccagcttcca ctccctctcg tccacgttga tgtagaactg gcggataacc 300
tccaaggtca actcttcctt cttgacaaga atccgaatgg ggccctcatg aacttcttgn 360
cacctcaagc                                     370
```

<210> 1452

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 465, 502, 539, 547, 548, 552, 569, 574, 589

<223> n = A,T,C or G

<400> 1452

```
ccagctctcc acgctgctcg gcacatgcaa tggcgccctc cagggaagcc ctctggcctt 60
tgaggccctc aatctcagcc tggagccggc tgatgttccg gttcatctca gagatctcag 120
tctttgtgcg ccgcaggcca tcccgtgctc tccagccagc gctctgcagc tctcactact 180
tgatctggta catgctctca gcctcagccc ggctgcgggt ggcaatatcc tcgtactgtg 240
ccttgacctc agcaatgatg ctgtccatgt ccaggagagc gctgttgtcc atggacagca 300
ccacagatgt gtccgagatc tgggactgca gctcccgatc ctcccttcca tatagctgcc 360
tgaggaagtt gatctcgtcg gtcagccctt ccaggcgaga ctccagctct accttgtcat 420
gtaagcttca tccacatcct tcttgatgag gacaaattcg ttctnctatc ctgtacctta 480
ttgatctcat cctcactact gntcttaagt cctccaccac cctgatgtt gcaactccnc 540
tcacttnnct tntctggcca aattcagtna actnggcgga cacctaggna atcac 595
```

<210> 1453

<211> 698

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 422, 470, 495, 504, 515, 520, 521, 567, 568, 578, 613, 619, 622, 626, 633, 638, 640, 655, 659, 664, 671, 683, 685

<223> n = A,T,C or G

```

<400> 1453
ctgttgaaat gaagcacttt acagtctttg tggcagcaga atatacttgt ccatgggttca 60
tatcaatgct aaaattccgg cagggaaaaa aatgatatgt taagcaccca aatcttcaca 120
tgagggggga gggggtgggg aaaagaagga aaaaaaggga aaaacaacca aaataattta 180
agtaaagac agattggaaa acagggttta taaaaattat tctcttgagt ttataaattg 240
ttaaactcaa tttatagcta tgttaaacta cgtaagaacc actatactga aagaccattt 300
aagagtatta gtttatcttt tagggaggaa aattaagaaa ggaaaagtaa ataagatctt 360
acctaaagaa gtttaactga agcttagaac tatcttgctc tacaccctca gctttcgttg 420
gnatccttat aaactactgt attaaagggt ttgtagaaac agcacagtnn tttaagactg 480
gcttgaactt attangccgt caanagttct ctignactan nacctgtgtc ccttgagagt 540
cctcgctggg gttatttctt ttccttnntt tgaaaaancc agctttttaa aaattttaaa 600
ggggtttctt ctngcagana tncccntaag tanccacntn ccttatcctg agaanggcna 660
cacncactta ntttaccgct ttntnttttc caaattac 698

```

<210> 1454

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 342

<223> n = A,T,C or G

```

<400> 1454
ggatttcaaa atcaacaccg atgagattat gacttcactc aagtctgtta atggacaaat 60
agaaagcctc attagtcctg atggttctcg taaaaacccc gctagaaact gcagagacct 120
gaaattctgc catcctgaac tcaagagtgg agaatactgg gttgacctta accaaggatg 180
caaattggat gctatcaagg tattctgtaa tatggaaact ggggaaacat gcataagtgc 240
caatcctttg aatgttccac ggaaacactg gtggacagat tctagtgtcg agaagaaaca 300
cgtttggttt ggagagtcca tggatggtgg ttttcagttt anctacggca atcctgaact 360
tcctgaagat gtccttgatg tgcag 385

```

<210> 1455

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 10, 494, 534

<223> n = A,T,C or G

```

<400> 1455
ctgaggaann tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgtggtta tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tgggtggcatt 300
aaagaagaca ctgaagaaca tcacctaaaga gattattttg aacagtatgg aaaaattgaa 360
tgatttgaaa tcatgactga ccgaagcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagatt gtcattcaga aatccattcc tgtgaatgga 480
cctgcccggc cggncaaagg cgaaattcaa cacactttgg cggcgttacc taanggatcc 540
caacttcggt 550

```

<210> 1456
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 1456
 ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
 cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
 cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
 aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
 gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tgggtggcatt 300
 aaagaagaca ctgaagaaca tcacctaaga gattattttg aacagtatgg aaaaattgaa 360
 gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
 tttgacgacc atgactccgt ggataagatt gtcattcaga aataccatac tgtgaatgg 479

<210> 1457
 <211> 569
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 404, 407, 416, 451, 472, 481, 489, 492, 494, 502, 509, 535,
 538, 540, 551, 560, 564
 <223> n = A,T,C or G

<400> 1457
 ccttggctct agcaccact cgagaatttg ctcagcagat acagaagggtg gtcattggcac 60
 taggagacta catgggcgcc tctgtcaag cctgtatcgg gggcaccaac gtgcgtgctg 120
 aggtgcagaa actgcagat gaagctcccc acatcatcgt gggtaacctt ggcgtgtgt 180
 ttgatattgt taaccggaga tacctgtccc ccaaatacat caagatgttt gtactggatg 240
 aagctgacga aatgttaagc cgtggattca aggaccagat ctatgacata ttccaaaagc 300
 tcaacagcaa caccaggta gttttgcttg tcagccacaa tgccttcttg atgtgcttga 360
 ggtgaccaag aagttcatga gggaccccat tcgggattct tgtnaanaag gaaganttga 420
 cccttgagg gtatccgcc agttctacat naacctggaa ccaagaagag tnggaagctg 480
 nacacactna tngngacttg gnatgaaanc cctggaccat tgaccccagg aaggnaantn 540
 ttgcattcaa naaccccggn aagnaaggt 569

<210> 1458
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 1458
 atagtctgcg cagcgtatgc acacgaactg ccaaaatatg gtgtgaagggt tggcctgaca 60
 aattatgctg cagcatattg tactggcctg ctgctggccc gcaggcttct caataggttt 120
 ggcattgaca agatctatga aggccaagtg gaggtgactg gtgatgaata caatgtggaa 180
 agcattgatg gtcagccagg tgccttcacc tgctatttgg atgcagg 227

<210> 1459
 <211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 423, 431, 445, 465, 496, 499, 503, 516, 530, 537
 <223> n = A,T,C or G

<400> 1459
 atgacggggcc cgggtgctgaa gggcagggaa caacttgatg gtgctacttt gaactgcttt 60
 tcttttctcc tttttgcaca aagagtctca tgtctgatat ttagacatga tgagctttgt 120
 gcaaaagggg agctggctac ttctcgctct gttcatccc actattattt tggcacaaca 180
 gggagctggt gaaggaggat gtccccatct tggtcagtc tatgcggata gagatgtctg 240
 gaagccagaa ccatgccaaa tatgtgtctg tgactcagga tccgttctct gcgatgacat 300
 aatatgtgac gatcaagaat tagactgccc caaccagaa attccatttg gaaaatgttg 360
 tgcagtttgc ccacagcctt caactgcttc tactcgccct tctaattggc aaaggacctc 420
 gangcccaaa ngggaaaatc caggnccttc tggatttctt ggganaaaaag ggggaccttg 480
 gtatttccag gacaancang ggncccctgg gtttttcttg gccccctggn aatttgngaa 540
 taatgcccta ctgggccttc aaaactattt ttcccca 577

<210> 1460
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 335, 346, 379, 400, 403, 404, 415, 423, 429, 448, 455, 463
 <223> n = A,T,C or G

<400> 1460
 aaaggatattt gctcattggt ctggcttaga gacaggaaga catatgagca ataaaaaaaa 60
 gattcttttg catttaccaa tttagtaaaa atttattaaa actgaataaa gtgctgttct 120
 taagtgcctg aaagacgtaa accaaagtgc actttatctc atttatctta tgggtggaac 180
 acaggaacaa attctctaag agactgtgtt tctttagttg agaagaaact tcattgagta 240
 gctgtgatat gttcgatact aaggaaaaac taaacagatc acctttgaca tgcgtttag 300
 agtgggaata agagagggt ttttattttt tcgtncatac cgagtnttga ttgaagatga 360
 ttcttaaaat gctaaatgna aatatatttg cttcccaaan ggnntttatt tctgnctttg 420
 ggngatgcna ccaaaaaccc cgaaagtngg aatgnaagtg atnccctttc 470

<210> 1461
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 1461
 aaacattgtc taagaaaata tgatctatga agacattaat acattaataa gatacttaag 60
 agttcattat aagctacaac actttgcaaa taagtatcca gtttaattgt aacaaaccac 120
 aatttgtgag caaatttaag aatataaaaa acattaatta gttaaataca attctctggg 180
 aatatacatt atacctacag acctgccccg g 211

<210> 1462
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 433, 450, 451, 452
 <223> n = A,T,C or G

<400> 1462
 ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
 ccgagccagt ggcgagaagt tacacagga gtccaccccg gtgtggtgcc tgttggggac 120
 agacctgaat gttgaaactt gacagtcaga aaaataaactc ttgatgctgc tgtttcggaa 180
 gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggcgcttg 240
 ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgtg 300
 ggtgctggag ctgcttggtt gttgataaac tgatgactcc atttctgtca catggatgtc 360
 caccaactgg taggtggagc ccagccaatg gaatgaggac ctgcgccgcg accacgctaa 420
 gggcgaattc cancacactt gtggcgccgn nnctagtga tccga 465

<210> 1463
 <211> 635
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 494, 514, 526, 536, 545, 553, 555, 562, 591, 605, 623, 627,
 628
 <223> n = A,T,C or G

<400> 1463
 ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
 ccgagccagt ggcgagaagt tacacagga gtccaccccg gtgtggtgcc tgttggggac 120
 agacctgaat gttgaaactt gacagtcaga aaaataaactc ttgatgctgc tgtttcggaa 180
 gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggcgcttg 240
 ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgtg 300
 ggtgctggag ctgcttggtt gttgataaac tgatgactcc atttctgtca catggatgtc 360
 caccaactgg taggtggagc ccaccaatg aatgaggcat tcagggtctt atctagaaag 420
 acttgctcca ccaggtggg gtccaaattg gaggagaaca atgccttgac agtgaccaac 480
 accggagtcc atcttcaatt tggtagaccag gcanaaacg gaatgnggca ttgtantttg 540
 actgnccttg tanantggg gngaacacct tcggccgcga accaccctta nggggaaatt 600
 tccanccctt tggggggcgg tttnctannng gatcc 635

<210> 1464
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 1464
 ccagcgacct cccggttcaa ttcttcagtc cggtggtga accaggcttc agcatccttc 60
 cggttctgct cggccatgac ctcatattgg cttcgcatgt cactcaggat cttggcgaga 120
 tcggtgccg gagcggaatc cacctccaca ctgacctggc ctcccacttg gccctcagc 180
 gtactgattt cctctcatg gttcttcttc aggtaggcca gctcttctt cagg 234

<210> 1465
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 11, 18, 19, 27, 111, 207, 305, 318, 323, 327, 369, 416, 443, 449, 460, 464, 468, 478, 507, 509, 512

<223> n = A,T,C or G

<400> 1465

```
tgattttattc  ngcctccnnt  ttggggngaa  ttggggccct  ctagatgcat  tgctcgagcg  60
gccgccagtg  tgatggatat  ctgcagaatt  cgcccttagc  gtgggtcgcg  ncgaggtaaa  120
cttacgccgc  ttatgtatth  acacataaa  ttactgtata  tataaaaaat  attttcaagg  180
actcatgggc  ttgggaatat  tcaaaanaca  ttattgttac  atttcaatat  ttacaaaaaa  240
agccacaaaa  taatttcaaa  cattaagcca  ctgcaaagaa  acatctgatg  taagaaaaaa  300
ttatnaaaat  ataaactntc  aanaatntcc  aagacaaaac  tctcaatgaa  gtgcccctga  360
agtacctana  catctataac  taacaccact  tttcttacta  tcattgaagt  caatanaaac  420
acaaaggaat  ttttcagaca  aantatggna  aacaacaatn  tctngggnga  caacacanc  480
ccaaaatctg  taactttggg  aacggtncna  anaggtta  518
```

<210> 1466

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 546, 633, 642, 654, 656, 664, 699, 704, 708, 719, 723, 729, 733

<223> n = A,T,C or G

<400> 1466

```
ttcaaagcct  gtctgcgagc  ctggctgtgg  tgcacatgga  acctgccatg  aacccaacaa  60
atgccaatgt  caagaaggtt  ggcattggaag  acactgcaat  aaaaggtaag  aagccagcct  120
catacatgcc  ctgaggccag  caggcgccca  gctcaggcag  cacacgcctt  cacttaaaaa  180
ggccgaggag  cggcgggatc  cacctgaatc  caattacatc  tgggtgaactc  cgacatctga  240
aacgttttaa  gttacaccaa  gttcatagcc  tttgttaacc  tttcatgtgt  tgaatgttca  300
aataatgttc  attacactta  agaatactgg  cctgaatttt  attagcttca  ttataaatca  360
ctgagctgat  atttactctt  ccttttaagt  tttctaagta  cgtctgtagc  atgatgggat  420
agattttctt  gtttcagtgc  tttgggacag  attttatatt  atgtcaattg  gatcagggta  480
aaattttcag  tgtgtagttg  gcagatatth  tcaaaattac  aatgcattta  tgggtgtctg  540
gggcangggg  aacatcagaa  aggttaaatt  ggggcaaaaa  tggcgtaagt  cacaaaaaat  600
tggaatgggt  caagttaatt  gttgaaagta  cancaatttc  anatttattg  gcananattt  660
agangttggt  tacattttta  cttggccgga  acacctaan  gcgnaatnca  cacactggng  720
gcngtatang  ggn  733
```

<210> 1467

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 171, 237, 243, 248, 259

<223> n = A,T,C or G

<400> 1467

```
ccagtgtcccc ccaggagggt ccaccctcaa ctcaacccaa gcaacaggga cagatgaaaa 60
acaaaatcca atcagggcgga taaatagcgg ggggcaggac gtggtggtct ccaggctggc 120
ttcgtgcgtt cttgcttttg tcaactgccc cctgttacat gggggggggg nttaatttgg 180
tttctgagcg cataaagcta aggaggggta aaaaaaaaca aaaaaaaaaa aaagggnaaa 240
ttccccnaa aaaaaaang ggggaaaaaa a 271
```

<210> 1468

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 97, 174, 352, 355, 356, 362, 383

<223> n = A,T,C or G

<400> 1468

```
ctgcccgaagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cgggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaanaaa gagtaagacg gccgcaaaga 120
aaaatgacaa agaggcagca ggagagggcc cagccctgta tgaggacccc ccanatcaga 180
aaacctcacc cagtggcaaa cctgccacac tcaagatctg ctcttggaat gtggatgggc 240
ttcgagcctg gattaagaag aaaggattag attgggtaaa ggaagaagcc ccaaataac 300
tgtgccttca agagaccaa tgttcagaga acaaaactac cagaccttcg gncgnnacca 360
cncttaaggg gcgaattcca acncaattgg c 391
```

<210> 1469

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 130, 352, 379, 402, 443, 477, 501, 510, 530

<223> n = A,T,C or G

<400> 1469

```
nccattgatt taggccactg gcttagagta ctcttcccc tgcatgacac tgattacaaa 60
tactttccta ttcatacttt ccaattatga gatggactgt ggggtactgg agtgatcact 120
aacaccatan taatgtctaa tattcacagg cagatctgct tggggaagct agttatgtga 180
aaggcaaata gagtcataca gtagctcaaa aggcaaccat aattctcttt ggtgcaggtc 240
ttgggagcgt gatctagatt aactgcacc attcccaagt taatcccttg aaaacttact 300
ctcaactgga gcaaatgaac ttgtgtccca aatatccatc ttttcagtag cngctaatta 360
tgctctgttt ccaactgcnt ttcttttcca attgaattaa antgtggcct cgtttttagt 420
catttacctc ggccgcgacc acnctaaggg cgaaattcca gcacactggc gggccgntac 480
ctagtgggat ccccaacctc nggatacccn aggcccttgg cgcgtaaatn caattggg 538
```

<210> 1470

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1470

```
aaaaacaaaa accottaacg gaactgcott aaaaaggcag acgtcctagt gcctgtcatg 60
```

```

ttatattaaa catacataca cacaatcttt ttgcttatta taatacagac ttaaattgtac 120
aaagatgttt tccacttttt tcaattttta aacacaacag ctataaacct gaacacatat 180
gctatcatca tgccataaga ctaaaacaat tatatttagc gacaagtaga aaggattaaa 240
tagtcaaata caagaatgaa aaacgcagta catagtgtcg cgaactcaaa tcggcattta 300
gatagatcca gtggttt 317

```

```

<210> 1471
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 350, 399
<223> n = A,T,C or G

```

```

<400> 1471
cccgaattct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttcctgct tgagttccca gatggctgga 120
aggggtccag cctcgttgga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgccaatg agactctagg gtccagtgga tgccacagcc cagcttggcc ctttccttcc 240
agatcctggg tactgaaagc cttagggaag ctggcctgag aggggaagcg gccctaaggg 300
agtgtctaag aacaaaagcg acccattcag agactgtccc tgaaacctan tactgcccc 360
catgaggaag gaacagcaat ggtgtcagta tccagcctnt gtacagagtg cttttctgtt 420
tagtttttac ttttttgtt ttgttttttt 450

```

```

<210> 1472
<211> 216
<212> DNA
<213> Homo sapiens

```

```

<400> 1472
ggcaggtaaa ctacctcaaa acactttccc atgagtgtga tccacattgt taggtgctga 60
cctagacaga gatgaactga ggtccttggt ttgttttgtt cataatacaa aggtgcta 120
taatagtatt tcagatactt gaagaatggt gatggtgcta gaagaatttg agaagaaata 180
ctcctgtatt gattgtatc gtgtggtgta tttttt 216

```

```

<210> 1473
<211> 219
<212> DNA
<213> Homo sapiens

```

```

<400> 1473
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaaagt ggaggccggg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
caagatcctg agtggcatgc gaagccaata tgaggtcatg gccgagcaga accggaagga 180
tgctgaagcc tggttcacca gccggaactga agaattgaa 219

```

```

<210> 1474
<211> 255
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> 240, 244, 251
 <223> n = A,T,C or G

<400> 1474
 aaaaacctgg ggaacttttag gttattttata caaagggaat aaataggctg attttaattt 60
 ggtaagttga tcttttttatt atgaatttgg taatagtata ggtttattat ttattcatct 120
 aattttatag tacagggtttt gtaatgttac atgtgatgat atgagctccc accttatatg 180
 ggggaacatc ttgggaattt gagatttaat aagttttttt tttttttttt ttttttaggn 240
 tttnccggca ncccc 255

<210> 1475
 <211> 655
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 447, 467, 494, 509, 512, 530, 539, 544, 553, 559, 568, 575,
 577, 595, 596, 604, 609, 618, 626, 634, 637
 <223> n = A,T,C or G

<400> 1475
 aaactttcaa agaatcactt ttaggcttac aaaaataaat atttgtcaaa atgttcaata 60
 aatattacat aaaactagca gcaaaaagta tctagaaatc tgtcgtgtgc aaatagtttt 120
 cttcccaact atcattccca tgggtcccaa taaatttttag aatctagtcc catccccctt 180
 ctagacaagc tgcgttcaac aatctccaag agacaaagta agattggaag tttaaggaca 240
 cgcacacaag acatatatat aaaattctct gaatgtgcaa taaaagaagt actttgtaaa 300
 aagttatggg caaaatgtac aagggcctaa acctagacta attgaaatag caccataaca 360
 aatgacctca atactgtcaa gtgcacctac ttaataaaag ttttagaaca aggcacaata 420
 cacttggaat atctattgca cttttangaa aatttttgcc cgtctttnct ttgccactgg 480
 taataaagat gganccggtt ttggatcanc cnccattttt ggaacctttn gggcccggna 540
 accncccttt aangggcgna aattccancc ccccntnggg gggccgggtt ctttnngggg 600
 aatncccana cttcgggncc cccaancttt gggnggnaaa tcaatggggc catta 655

<210> 1476
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 391, 401, 407, 412, 423, 457, 462, 477, 482, 492, 497, 498,
 507
 <223> n = A,T,C or G

<400> 1476
 ccaatcaata agggactttc ctctctgcc ttaagagcaa cgatgctgac cacatactct 60
 gtgcctggag tgaggttggg gaggggtgat gaattccgag agtggggcac ccgatcttct 120
 cgaggtctcc cactgaagtg ctcgggatga tggcggatcc tgtagccagt gatggtggct 180
 cgaggagcaa tccagtgcac agtaaaagag ttggcagtaa tatcagaaaa gtcaatgcc 240
 gttggggaat caagacctgt ttttccacc cgggggagga agagaaaaaa aaaagaaaag 300
 accccccccag ttttaggaagt gaggaagggt taggggaaat taacgtacat ccaacatttc 360
 gttccttgtc tcatcaatcc atgatttggc ntaaaccaaa nagtaanaag tncgtattct 420

```
aanctacata tgaattttac cttcggccgc gaccccnctt angggcgaat tccaccnccc 480
tngcggccgg tncctanngg atcccanctc gg 512
```

```
<210> 1477
<211> 332
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 271, 279, 280, 299, 309, 313, 321
<223> n = A,T,C or G
```

```
<400> 1477
cctgacttct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttcctgct tgagttccca gatggctgga 120
aggggtccag cctcgttgga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgccaatg agactctagg gtccagtgga tgccacatgc ccagcttggc cctttccttc 240
cagatcctgg gtactgaaag ccttagggaa nctggtctnn gaggggaagc gggcctaang 300
gattgtttna tancaaaacc naccattca ga 332
```

```
<210> 1478
<211> 532
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 310, 354, 369, 426, 433, 439, 449, 476, 481
<223> n = A,T,C or G
```

```
<400> 1478
ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
agagttggtt gaaccgcata ctcaatatct ctttttggtc ctctgggtaa ttgggtgggt 240
gcctggcttg gcttttgtcc tgggaaatat gggtaagggt tgggtgaatg ggtgaaaatt 300
caagggtaan aaatgcctgg ggtggcttgg aaccttcttt gggtgggttg aatnaacttg 360
gatgaactnc atttcttgca catgggattg tccaccact tgggaagggt gaaccaacc 420
aatggnatga agnatattang ggccttatnt aaaaaagaat tgcttcccc agggtnnggg 480
ncaaaatgga aggaaaacaa tggccttgac agtgaccaca ccggaatcca tt 532
```

```
<210> 1479
<211> 671
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 17, 448, 459, 478, 480, 526, 535, 549, 560, 568, 569, 581,
588, 592, 593, 606, 609, 645, 652
<223> n = A,T,C or G
```

```
<400> 1479
```

```
<210> 1480
<211> 483
<212> DNA
<213> Homo sapiens
```

```
<210> 1481
<211> 453
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 57, 401, 403, 408, 411, 425, 429, 434, 441  
<223> n = A,T,C or G
```

```
<210> 1482
<211> 542
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 126, 231, 250, 303, 332, 334, 355, 364, 366, 368, 391, 423,
 424, 439, 446, 461, 469, 473, 499
 <223> n = A,T,C or G

<400> 1482
 aaacatctca catatacaaa ataggtacaa ttttaattttt ctgcttgccc aagaaacaaa 60
 gcttctgtgg aaccatggaa gaagatgaaa atgagactgg gcaaagaaac aaatgcttga 120
 atctgnaaga aagaagggac aacttttggg caaataatct gctacccttt taattgggaa 180
 ataagaatgg gaaaatatga atgcttaatc aaatttttta aaaaatcccc nccccgatcc 240
 acttaatacn ggaatatctt ttctcaaatt ctctaaccc catcaacatt cttcaagtat 300
 ttnaaatact attaattagc acctttgtat tntnaaccaa acaaaacaag ggccncagtt 360
 catntntntc taaggcagca cctaacaatg nggatcacac tctgggaaag tggtttgaag 420
 gannttaaac ctttggaant ttgggntttc ctgccccggc ngccgttcna aanggcgaat 480
 tccacacact ttgcggcgnt cttatggatc cactcggacc aacttgcgaa tctgggatac 540
 tg 542

<210> 1483
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 311, 317, 320, 324, 328
 <223> n = A,T,C or G

<400> 1483
 ccggggcgggt tgacctccgt gcctagtcgt ggctctccat cttgtctect ccccggtgcc 60
 ccaatgtctt cagtgggggg cccctctttg ggtccctcc tctgccatca cctgaagacc 120
 cccacgccaac acactgaatg tcacctgtgc ctgccgcctc ggtccacctt ggggcccgtg 180
 tttgactcaa ctcagctcct ttaacgctaa tatttcgggc aaaatcccat gcttgggttt 240
 tgtctttaac cctgtaacgc ttgcaatccc aataaagcat taaaagtcaa aaaaaaaaaa 300
 aaacttgggc ngaaacnacn ttangggnaa 330

<210> 1484
 <211> 624
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 486, 571, 607, 614
 <223> n = A,T,C or G

<400> 1484
 gagagcgagc tgagtggttg tgtggctcgc tctcggaaac cggtagcgct tgcagcatgg 60
 ctgaccaact gactgaagag cagattgcag aattcaaaga agctttttca ctatttgaca 120
 aagatggtga tggaaactata acaacaaagg aattgggaac tgtaatgaga tctcttgggc 180
 agaatccac agaagcagag ttacaggaca tgattaatga agtagatgct gatggtaatg 240
 gcacaattga ctccctgaa tttctgacaa tgatggcaag aaaaatgaaa gacacagaca 300
 gtgaagaaga aattagagaa gcattccgtg tgtttgataa ggatggcaat ggctatatta 360
 gtgctgcaga acttcgccat gtgatgacaa accttgagaa gaagttaaca gatgaagaag 420

```
<210> 1488
<211> 375
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 351
 <223> n = A,T,C or G

<400> 1488
 ccaactcagc ttttgtggag cgagtgcgga aacggggcctt cgaggtggta tatatgaccg 60
 agcccattga cgagtactgt gtgcagcagc tcaaggaatt tgatgggaag agcctggtct 120
 cagttaccaa ggagggctct gagctgcctg aggatgagga ggagaagaag aagatggaag 180
 agagcaaggc aaagtttgag aacctctgca agctcatgaa agaaatctta gataagaagg 240
 ttgagaaggt gacaatctcc aatagacttg tgtcttcacc ttgctgcatt gtgaccagca 300
 cctacggctg gacagccaat atggagcgga tcatgaaagc ccaggcactt ngggacaact 360
 ccaccatggg ctata 375

<210> 1489
 <211> 214
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 70, 148, 158, 159, 165, 201, 203
 <223> n = A,T,C or G

<400> 1489
 tgcccgtgcn ggtgccattg ccccatgtga agtcactgtg ccagcccaaa acactggtct 60
 cgggcccgan aagacctcct tttccaggc tttaggtatc accactaaaa tctccagggg 120
 caccattgaa atcctgagtg atgtgcanac cttggcgna ccacnctaag ggcgaatttc 180
 aacacactgg ggggcgtact ngnnggatacc aaat 214

<210> 1490
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 43
 <223> n = A,T,C or G

<400> 1490
 aaaatcctga ttttggagac ttaaaaccag gttaatggct aanaatgggt aacatgactc 60
 ttgttggatt gttatTTTTT gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
 cttaccaaag tcttgtagg tggtttatag ttcttttggc taacaaatca ttttggaaat 180
 aaagattttt tactacaaaa atgaaatttg tttggacttc cacttgagac agtaaagaga 240
 gtattagaca ccagtaaaa actgccatat aaagaagttg taattgtttg ttgtgtatgt 300
 atttttttca atgccaaacc ag 322

<210> 1491
 <211> 683
 <212> DNA
 <213> Homo sapiens

<220>


```

caggagaacc aggggaccct ggttgctctg gaataccagg gtcaccattt ctcccaggaa 180
taccaggagg gcctggatct cccttggggc cttgagggtc ttgaccatta ggagggcgag 240
taggagcagt tggaggctgt gggcaaaactg cacaacattc tccaaatgga atttctgggt 300
tggggcagtc taattcttga tcgtcacata ttatgtcatc gcagagaacg gatcctgagt 360
cacanacaca tatttggcat ggttctggct tccagacatc tctatccgca taggactgac 420
caagatggga acatnctoct tcaacagctt nctgttngc caaaataata gtgggatgaa 480
gcanaacnag aantanccac ctcccttttc acaancttat catgtntaat ataaacttan 540
aatntttgtc aaaaaggaaa aanaaancc 569

```

```

<210> 1494
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<400> 1494
ctgattctat ttcctttctca aaaaaagtta ttacagagg gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240
ctagtgcctg tcatgttata ttaaacatac atacacacaa tctttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt 344

```

```

<210> 1495
<211> 501
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 356, 411, 452, 459, 469, 481, 490
<223> n = A,T,C or G

```

```

<400> 1495
aaatggtatc tcttagtaac ttgactcgt taaagaaaca cggagctggg ccatacgtcag 60
aactaagtca gggaaggaga tggatgagaa ggccagaatc attcctagta catttgctaa 120
cactttattg agaaattgac catgaattaa tggactcatc ttaatttctt ctaagtccat 180
atatagatag atatctatct gtacagattt ctattttatc atagataggt atctatacat 240
acacatctca agtgcactta tcccactct cattaatcca tcatgttctt aaatttttgt 300
aatcttactg taaaaaaaag tgactgaac ttcaaaaaca aacaaaaaac aacacnaca 360
aaacaagtcc aactgatata tcctatatct gttaaaattc aaaagtgaac naagctttta 420
ctggcctcgg ccgcaccccc taaggcaatt cnaccctng ggcgtctant gatccactcg 480
naccactggn gatatgctac t 501

```

```

<210> 1496
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<400> 1496
ctgattttat ttcctttctca aaaaaagtta ttacagaag gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240
ctagtgcctg tcatgttata ttaaacatac atacacacaa tctttttgct tattataata 300

```

cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt 344

<210> 1497
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 1497
 ctgtatcatc tagacgctta tatcccgctg cagatcaact ctcatgagag caaggcagcc 60
 ttccaccgga agagaaagca attaatggtg gccacatctc ccattagctc tagcatgaaa 120
 cctgtacaga caatgtttgt ttcttttgta aaaagcagta agttatgccc agtaactaaa 180
 tgaattcaaa 190

<210> 1498
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 1498
 ctgattttat ttctttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
 aggcagtga cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
 gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
 ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240
 ctagtgcctg tcatgttata ttaaacatac atacacacaa tctttttgct tattataata 300
 cagacttaaa tgtacaaaga tgttttccct tttttcaatt ttt 343

<210> 1499
 <211> 693
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 494, 511, 528, 550, 560, 566, 582, 593, 594, 598, 610, 626,
 641, 651, 675, 678, 690
 <223> n = A,T,C or G

<400> 1499
 ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60
 aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctctttttat ttcttttgat 120
 tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180
 ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
 acatgccctg aggccagcag gcgccagct caggcagcac acgccttcac ttaaaaaggc 300
 cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
 gttttaagtt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaat 420
 aatgttcatt acacttaaga atctggctga attttattag cttcattata aatactgact 480
 gatatttact cttnccttta agtttttaag ncctctgtac atgatgggat aaattttctt 540
 gtttcagtgn tttgggacan attttnttta tgtaattggt cnggtaaaat tttnnggngg 600
 agtgggaaan ttttcaaatt ccactntttt ggggttgggg ngggggacat naaaaggtaa 660
 ttggggcaaaa tgctnagncc aaaatttgan ggc 693

<210> 1500
 <211> 290
 <212> DNA

<213> Homo sapiens

<400> 1500

```
cccagaccag gaattcggct tgcacgttgg cctgtctgc ttctgtaaa ctccctccat 60
ccccacctgg ctccctccca cccaaccaac tttccccca acccgaaaac agacaagcaa 120
cccaaactga accccctcaa aagccaaaaa atgggagaca atttcacatg gactttggaa 180
aatatttttt tcctttgcat ttatctctca aacttagttt ttatctttga ccaaccgaac 240
atgacaaaaa accaaaagtg cattcaacct tacaaaaaaa aaaaaaaaaa 290
```

<210> 1501

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 23, 33, 35, 41, 114

<223> n = A,T,C or G

<400> 1501

```
aaacttgatc caacctcttt gcntcttaca aantnaaaca nctaaaataa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cagcctcat tacnattcgc 120
ctgcttgctt ctctgttca atcgtttctt tggaaggcag tggatttttc tcttgctct 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg ggtttgctcag 240
acatgggtgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctggtctgcg 300
c 301
```

<210> 1502

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 666

<223> n = A,T,C or G

<400> 1502

```
aaaagtcaca aatcacagtg ggagaatgcc aaattgcttt agcttggaac tactgaagac 60
gcacatagca tttattataa ggcctactct taggcagttc actctcaaag caatgaaaat 120
aatctcaaac caaacattac agtggggttg aagcgttcct acgtttcttc cgagcaggtc 180
agttttacat ttgctacaca gcattcccca cgaatgcctg gtaattctat acatttgatt 240
ctttaataaa cactaaacta atagatcata gaaaactaaa agcttagaga aggtgcctcc 300
agacatattt acataaataa cgtagcctca caagaaagac caagatctca ttagcgtgga 360
atgctttttc cacaaggctg ggtccatgcc tcatttgtca ratnaacccc atttgaggag 420
aaatttgagt ttgtggttca tgggtttttg aaaaaaaaaa aaaaaaaaaa rggaattaag 480
caacttgtaa aagctctttt gaaattaatc taataaccca gtggctcctc ggctaagtgc 540
ctcagtcctg tctgaaatac agcgggtaag agcctttgtt tccatttgac ctcttttcaa 600
cactttcate tgccctgacc ctcatcagga acaagagggc tccccaatcc ccagggcccg 660
gctcanaagg aaggggtgag agagaagggg cgagaggagg caggggtgag ggacacagagc 720
tgaggctgcc aacctgcccc ggg 743
```

<210> 1503

<211> 409

<212> DNA
<213> Homo sapiens

<400> 1503
ctgtaaaaga tcctatgcga aagacactgg ctcttttttt taatccccc aataaatttt 60
gccccctttt aggccatgtt ccattatctc ttaaaattgg aacctaatc gagaggaagt 120
aagaagggtc tgttctgtgg ctgagctagg tgaaccccg ggtaggggaa agatgttaac 180
acctttgacg tctttggagt tgacatggaa cagcaggtag ttgttatgta gagctagttc 240
tcaaagctgc cctgcctgtt ttaggaggcg ttccacaaac agattgaggc tcttttagaa 300
ttgaatttac tcttcagtat tttctaattg tcagctttct aagaggcata ttttttcaa 360
agaagtgagg atgcagtttc tcacgttgca acctattctg aagtggttt 409

<210> 1504
<211> 104
<212> DNA
<213> Homo sapiens

<400> 1504
ctgtaactgt ctatgtacag aaaccggtct ggggtctttg gcttacaggt taccttgtgc 60
catacctttg aaacaaggga cctgtccagg ctctcttctg gtgg 104

<210> 1505
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 342, 393, 410, 413, 463, 493, 495, 499, 523, 548
<223> n = A,T,C or G

<400> 1505
gtggaggagg aatcacgaca tcattcataa ataactgtgg agtctgggat gctggctgaa 60
ggcatctcca ggaaggactg gagggcgatt ttgctaaagg gctgctcact gctcatttca 120
ctgcatgcgg cttttctcac tttggttggg agtttgaagg accatgtaat cacagagatt 180
agagctccct gtgaaatcaa tcaactgcct tagatctcca caaagacctg ttctccaata 240
gcacatgcgt ttctctgtga gctgtattcg catcagcgcc ggagcctcag aaagaatgcg 300
tgtttacact ctgtactctc caatgggtaa ttttatcat anaaatctaa tcatattctt 360
catcttgaat ccaacttctg tacagtagca tancgggggt gcttgctgan acntgaaggg 420
ttacgtcctt gcccatgcag gtctccaaaa gagtggaata atncaagata aaaatggaaa 480
ggacctcggc gcnancacnc taagggcgaa ttccaccact tgnngccgtt actagggatc 540
caactcgnac caaactggcg aatatggcat actg 574

<210> 1506
<211> 542
<212> DNA
<213> Homo sapiens

<400> 1506
ccactcactc tcggacgtag accctgggtc acacaacgtc atccgccgtc atggtcagga 60
tcagttcccc atcgttggtc agttctctgg tccacgaggt ctggggccc tctcccttca 120
ggagcttctg ctcacagacc attttattct cactctccca ttccaccagg ctcttacagg 180
gcctcccatc cacagtctgc tctcaaaact cctccccaac cttgaagtta atctctgtgg 240
tgcgcaaggc ggtggagggt ttgatgtaga aagtgtctcc ctctgtttg atctccactg 300

```

ctggccttgga cgctgcagcc acagcaatct tcctcagcat cacattoacc cccagcactt 360
tgagcaattc ctcgaagttt tccgatcgga tgattttcca gttgccagag aagttgggca 420
tggtggcggc gcgggaggcg gtccccgtag actcctagge tggagcactg gacactgtct 480
tttagtcaaa agagacgtcg ccgtcgccgg gtcgtcaggt tctggaacca agacaagtcc 540
ag                                                    542

```

```

<210> 1507
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<400> 1507
aaaatcttgc atggcattaa ttgttccttg cttttatagt tgtattttgt acattttgga 60
tttctttata taaggtcata gattcttgag ctgttggtgt ttttagtgca cttaatatta 120
gcttgcttaa ggcatacttt taatcaagta gaacaaaaac tattatcacc aggatttata 180
catacagaga ttgtagtatt tagtatatga aatattttga atacacatct ctgtcagtgt 240
gaaaattcag cggcagtgtg tccatcataa taaaaatata caagctacag ttgtccagat 300
cactgaattg gaacttttct cctgcagtgt tatatatgtc aaattgtcag catgacaaaa 360
gtgacagatg ttatttttgt attttt                                     386

```

```

<210> 1508
<211> 286
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 261, 281
<223> n = A,T,C or G

```

```

<400> 1508
ttcaaagaat cacttttagg cttacaaaaa taaatatattg tcaaaatggt caataaatat 60
tacataaaac tagcagcaaa aagtatctag aaatctgtcg tgtgcaaata gttttcttcc 120
caactatcat tcccatggtc ccaaataaat tttagaatct agtcccatcc ctttcttaga 180
caagctgcgt tcaacaatct ccaagagaca aagtaagatt ggaagttaa ggacacgcac 240
acaagacata tatataaaat nctctgaatg tgcaataaaa ngaagt                                     286

```

```

<210> 1509
<211> 526
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 227, 254, 258, 263, 266, 281, 284, 285, 289, 374, 389, 390,
391, 414, 417, 419, 428, 447, 464, 472, 484, 485, 488, 490,
492, 495, 500, 507, 510
<223> n = A,T,C or G

```

```

<400> 1509
ggggagatgg ggagaggaat gatctctgcc cagccccttc ctttccaaac catgcaatgg 60
aagagcccag atgggtgaag attgattttg ccttaactca agagaattcc tgttctcctt 120
gtgctatgat ttggacacaa gattctggat acctggaact tagctgtgta ctctgtacc 180
ctaaacagtg gatttgagtt ccagcgttta ttcttttttc ctttttncag atcaccatct 240

```

```
<210> 1510
<211> 422
<212> DNA
<213> Homo sapiens
```

```

<400> 1510
aaaaaacatt tcacaaataa gatgtagctn tccaaacaaa tccattcgat gaccattatc 60
acaactatat ttatttctaa ttataaaaac aaaaaatggt tagacaagca catgagatca 120
agagtcttca acacagtggg ttccatttta ttaagaaaaa aaatagaaaaa canggannc 180
ttannrngnn nnannnctnc atagcatacg ttatataaaa ttaaagtttt gcttccaaaa 240
anntgttccn gtggggccgg ggngntgcc agngcttttg ggnccancgc cnaagacatg 300
agaantttaa cnttcgactt gnnatttttc ataaaaacta aacatttnct tatnggggtg 360
ggagtaaaaa atcttctctag gccattttta gtggcttaaa aaaggccccc ttttttcccc 420
ct

```

```
<210> 1511
<211> 365
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 5, 11, 279, 299, 330, 334, 365
<223> n = A,T,C or G
```

```
<400> 1511
aaanacagg natctctgca gcaggccatg tgatgctcct taatggccta cataatccag 60
ccctcaagca cctcogtgat ctctgtaaaa ctttcccttg gtcactgtgc ttcagtcaca 120
ttaaccagct tgcataatttc tcacattcac caagcttggt cctgccttgg ggccctttgta 180
cttaccatgt tctgtttctga gaataactctg cctcaagata tctacaact atcttaactgt 240
attcagcttt tttttttttt tttttttttt acgtcctgnt gatgttaagt cctgttgana 300
gcaccaggta aacactctgc accccttctn ttantagtaa taggttttct actccttggc 360
ctcan
```

```
<210> 1512
<211> 361
<212> DNA
<213> Homo sapiens
```

<400> 1512
ccatttggttg gttcaatttt gccatctgtg actggctcac attttagac atgtggccac 60

```

ctgaggggaa aaaaaaagat tttgagtcag cgtaggaggt aatataatca gtataatcag 120
ggtataatag aaagtttgat gaactgagaa aataactaaga aaaaattaca taatcctatc 180
actctaacat aattctttct atttctacat attcccttct aatctttttc tcaattacat 240
actattcttt gaagaccatg taaaattcta tataaaagga catataaaag gcttttttaa 300
ggctacgatt tatgctaata ctttatttat atctgtgaat aagccactat tagcaaaatt 360
g                                                                 361

```

```

<210> 1513
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<400> 1513
aaaaaacatt tcacaaataa gatgtagctt tccaaacaaa tccattcgat gaccattatc 60
acaactatat tttattctaa tttataaaac aaaaaatggg tagacaagca catgatatca 120
agagtcttca acacagtgga ttccatttta ttaagaaaaa aaatagaaaa caagtagtcc 180
ttaaattgtc ttagctctcc atagcatacg ttatataaaa ttaaagtttt gcttccaaaa 240
atatgtttcc atgtggtcgt ggtgttgtcc agtgctatta gggccaaagc accaaagaca 300
tgagaagttt aaccatcgac ttgtcatttt tcataaaaac taaacatttc cttataggtc 360
tggagtaaaa tcttctaggc attttagtcg taaaagtcac ttt                                                                 403

```

```

<210> 1514
<211> 62
<212> DNA
<213> Homo sapiens

```

```

<400> 1514
ggcatgggtg tggttaatct ggtttatfff tgttccacaa gttaaataaa tcataaaaact 60
tg                                                                 62

```

```

<210> 1515
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 34
<223> n = A,T,C or G

```

```

<400> 1515
tttaaataaa aattgtaaag cactccattc aatnaaagca cataagtccc cctcaataat 60
tagtatgaca attcacgata cagctcttac tctgggagag tttattttac cctttattcc 120
aaaaggcaca aagtcacatg aggcctcaga tattaacccc actgcatgtt aatgacacac 180
cactgagggtg cagctcaatg taattattaa agcttataac acacttcccc aagaatttat 240
agattctttc tataaataat aattt                                                                 265

```

```

<210> 1516
<211> 522
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```


<223> n = A, T, C or G

ccataaacac	agaagatggt	tttggttta	cattgacaca	tttctgtgtg	tcaatgtaga	60
agagaaaaga	agtttaatta	taccttttaa	gcaggcaaac	cattataata	aactgcttta	120
gaaattactt	taaaattata	cacatttgga	acaacagatt	ttttaaaaaa	tgaagtttgg	180
tgttatgtca	gcattttaac	tatttttgct	atagcgaggc	ctcctcatat	attatcataa	240
tttatcatag	tttaaatagt	gaatcatatt	ctgatattct	gattaataat	catattaatt	300
ttgacaatga	ttttagtttt	tgaagtttta	gactgcaata	cttaaaaaagg	ccataatcta	360
ctttaattac	cttcatacta	gattattaac	tataaataaa	atgtttatat	gatatttgga	420
ttaggtacat	ggtacaatat	ctgtttttac	ctgnaagcat	gaaaatgtct	taaaaggtaa	480
antaanaaca	gccaaaaggt	agtgnntttt	tacctcggg	cc		522

<211> 248

<213> Homo sapiens

gttgtagcat	gtgtcaattt	tcttcttttt	taaggctgaa	taatatttca	ttggatgtct	60
ataccatggt	ttgtttatcc	atgggtctgtc	gatggacacc	aatgttgctt	ccatcctttg	120
gctatttgtga	ataatgctcc	tgtgaacatg	ggtgtacaaa	tatctottca	agacctaaa	180
ggtggaactg	ctggacgatg	tggtagcaga	gtagctattt	taaccttttc	attataaaga	240
aacctttt						240

 $\langle 211 \rangle$ 322

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

ttttattttt	ttaccaatttc	caatttttnaa	atgtctcaat	ggtgctataa	taaataaaact	60
tcaacactct	ttatgataac	aacactgtgt	tatattcttt	gaatcctagc	ccatctgcag	120
agcaatgact	gtgtcacca	gtaaaagata	accttcttt	ctgaaatagt	caaatacgaa	180
attagnaaag	cctccctat	tttaactacc	tcaactggtc	agaaaacnag	attgtattct	240
atgagtccca	gaagatgaaa	aaaattttat	acgttgataa	aacttataaa	tttcattgat	300
taatctcctg	gaagattggt	tt				322

<211> 339

<213> Homo sapiens

ctgatctcta	caagccacca	cctgtttcat	gtgcatggga	agagtaaaaa	atgaaccggg	60
ataaaataaa	acaaaagcaa	acaaaatgct	aatcattgg	ttattatcca	catcaaataa	120
gtctggttct	gtggaatata	taaaagtcac	agttttatgc	ctttaactac	tatacataag	180
ggatgacttt	ttaacctcca	gggcttatac	aacaaaacac	acctcagaag	cttatataac	240

```

aatatactac tttttccatt ttatcaacaa ttcagcctgc cttaagctac aaagtaaaat 300
aattagacaa ctgtgatatc aaaacaaaga ttatgtaag 339

```

```

<210> 1520
<211> 189
<212> DNA
<213> Homo sapiens

```

```

<400> 1520
ctgcaggcag tggggacttg gggactagaa caggcaggga ggtggagagc tattctgggtg 60
ggatgtccta ggggctgatg aaagtgagcc ttgacagcag ctttgttcta aaggagctta 120
aagagaaaagc agtggccggg cgcagtggct caagcctgta atcccagcac cttgggaggc 180
cgaggcggg 189

```

```

<210> 1521
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 406, 422
<223> n = A,T,C or G

```

```

<400> 1521
gttggactgc aaattgagtt tctttctctt taggcctttc acaactagga ctgagaatgt 60
atgcaaaaagt tctgtgacag tacagaagga aaacaacttt ttatgtatag cttctaaaag 120
ggaaaaaaaa aaaaaaaagag aaaccctttg acttccacgt gcccatctca agacattcca 180
ctcacagatt tgaggttctg gattccaggt ctggagtttt ccaatgttaa tgtaaacaga 240
actggcacac acacattaag atgaatgtaa ttattattcc tcttgctggt cactaccgtc 300
gctttctatt tctctttctt tgtgtgaatt tatttaaaag aaaaaaaaaac tttttgtaac 360
gactatttgc agtttaaaaa tcaataaaacc cagttttttc aagaancgaa aaaaaaaaaa 420
angaaaaaaaa aaaaaaagct tgtac 445

```

```

<210> 1522
<211> 349
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5, 6
<223> n = A,T,C or G

```

```

<400> 1522
cattnngatg acagcctacc cagatgtggc cccgaggaag gatcaataga taaattatcc 60
accagtgtat ccagctcaag taccttcaac tgagttaaat tcatattagt gtgtttttcc 120
aaaacatgaa tttcatgagc caatatgtca gcaacataga tatacttatt atcagggtgaa 180
atattgatcc catttcttga atcaaatcct tctgctacca ctttaacttc atttgactg 240
tagtaaacaa catttgccca gtgtaagtgc aagtatgttt cttaaactt taagaaagga 300
tcagagaagt agtggtcatt tgtggcatag aaatgtgccg gtccaacag 349

```

```

<210> 1523
<211> 157

```

<212> DNA
<213> Homo sapiens

<400> 1523
tatgcagatt atttgcccaa agttgtcctc ttcttcagat tcagcatttg ttctttgtca 60
gtctcatttt catctctctc catgggtcca cagaagcttt gtttcttggg caagcagaaa 120
aattaaattg tacctatttt gtatatgtga gatgttt 157

<210> 1524
<211> 451
<212> DNA
<213> Homo sapiens

<400> 1524
aaaatctctg gcttcaaagt ttcttgggga aagggtcggtt tacctcacat tttttgtttc 60
cattagtaat attctaggta cctcacaaaa tgtattatgg tgccatggct gttagttttt 120
agcgagtgtc gtaggattaa ttcgaaaaata ggcagaattc cattcctccc aagggtggcaa 180
aaattagcta tactgatgta attgtcattt acctgggtat gaattccctg acacacattc 240
atgtcaacat atgtagcaaa ttttgtgaaa acataacaat ttgaagcttc tgtaattttg 300
agcactgtct taacaacaag cataatataa aattagttag attttgcaag tctacaaatg 360
agctcttgca acagaactca cagccttttt acttttttcc cctaacttta gcaatgtagt 420
atcttgagcc attaatTTTT ggggtttttt t 451

<210> 1525
<211> 229
<212> DNA
<213> Homo sapiens

<400> 1525
tatagcctgc gcgctccagg actgcctacc cagcactacc ccaaaccccc agttccaaac 60
ccgagaattc aggcccgccc ccttaacggt tgtctcattc caccaaattc agaatttta 120
cacaatgcct tcatgatattt atttttctgg aaattgaagt gtcaattggg ttctcaatat 180
ttcatgactc caaggatgca ttaaataattt atttgtggta agagaagat 229

<210> 1526
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 548
<223> n = A,T,C or G

<400> 1526
ctgacatccg gctgtcttct tctcacatga caaaaactag cccccacctc aatcatatac 60
caaattctctc cctcactaaa cgtaagcctt ctctcactc tctcaattct atccatcata 120
gcaggcagtt gaggtggatt aaaccaaacc cagctacgca aaatcttagc atactcctca 180
attaccacata taggatgaat aatagcagtt ctacogtaca accctaacat aaccattctt 240
aattttaacta tttatattat cctaactact accgcattcc tactactcaa cttaaactcc 300
agcaccacga cctactact atctcgacc tgaaacaaac taacatgact aacaccctta 360
attccatcca cctcctctc cctaggaggc ctgccccgcg taaccggctt tttgccccaa 420
tgggccatta tcggaagaat tcacaaaaaa caatagcctc atcatcccca ccatcatagc 480
caccatcacc ctcttaacc tctacttcta cctaogccta atctactcca cctcaaatac 540

acttactncc ccataatcta acaacgtaaa a

571

<210> 1527

<211> 171

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 54, 63, 152

<223> n = A,T,C or G

<400> 1527

gtgtgagcaa ccagtgtagt gactcttttg ttcattattc gtgttgtttt tatncttagt 60
cantgtgtga cccaacagtg gcagggggta caacccccctc tcctttcttt tttgtattta 120
tctatttgta ggattgtcag atcaagtaca anatgcccac ttaagtttga a 171

<210> 1528

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 545

<223> n = A,T,C or G

<400> 1528

aaataacatc aactcacaaa tgacttttag aagccaaata aacattttota ttttagagaa 60
tagtatgtaa tacataactt aaaagcatat agaacacata ttcttacatt cttaaaaaata 120
agagattgtg attccacaga gaatttttca aatatctaaa gtatgtcctg ttaaaccaac 180
aatttgcttc caaacaggag tctcttttga gaagctaaat attaattttc aaacaactat 240
ttctccattt gttaactgga atcattcata ttaaaacaaa ggtctttatg tcaatgtatg 300
ttaatatggc tgaaggctcc agccctgagt tattttttta ctcccttaaa ttcataatta 360
caacatatat caatttgagg tatcatgaca aaaacagaaa caaaagacac aatggtagat 420
gagaatctat ctccctgtgg aagaggcaaa attagtgtgg acctcatttt tctgacctat 480
aaaactagga agtataatca cattacttgc gacaattttt tctttctaaa tgccctgaatt 540
tgaanggaga ctctgccttc tccctgcccg g 571

<210> 1529

<211> 621

<212> DNA

<213> Homo sapiens

<400> 1529

ctgacttctt ttcaagttcc cacattagga cattgatcag atgtgaattt ttaattacaa 60
tcggcacttc ttcaaactg tactcaaaagg tgatatattgc ttttttcaat gcttcagggg 120
aaaaatcctt ttctttacaa acttccatca gttagaggag cagtctgtat gccttttagtg 180
agagagatcc ttgggcagtt tttatgggat cataaatgag aacgacagat tcttcaatgg 240
catgctggta actaaactga gaggccagga gtgcccgggt aacgaatgag ccatagtatg 300
tggactgata ccagcccacg tgaagatgat caatgtttac atggcgaagg ctccgcatca 360
tttccatctg atattggact tcatcaaaagt cagcatcatc ctctgtgtgt tgagggaaag 420
gaaagcagtt ggtaatttca agccgatctt ctacaaccag acccaaaaagc actccttgaa 480
caacttcagt tccttgtcct tcttcttgat aatgtttgat tatctttaat accacaaggc 540

```
catctatctg cacttgettc acggctgaat ctcccagacc gcctttgcct ttgcctttcc 600
ctgctgcgcc ggcggtggag c 621
```

<210> 1530

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 28, 290, 323

<223> n = A,T,C or G

<400> 1530

```
aaaaactgat tacagcaaat gaaacacngt tgtctaagt ataatgtata caaaaataac 60
atcttgatct ctgtgaaaat gcatttctct gcaattcctg aatagctcca aattatgcta 120
actctgagca ttgatgttta ctctgggttt tagatttagg tctttgaaaa taatgtgttc 180
taaacccttg ccatacccat ctatgtgtcc aacatcaaca ctgtgatgaa gttgttcctg 240
tttaggcttt tattccgatt tctctcgaac agccattaac atgcatgttn atctttttgt 300
ttactccac tcaactgtat gtnc 325
```

<210> 1531

<211> 669

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 593, 610, 620, 655

<223> n = A,T,C or G

<400> 1531

```
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaaatt 60
tttttcacat tctgggactc atagaatata atctgtgttt ctgaccagtt gaggtagtta 120
aaataggagg ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggt aaaaaaataa aacaaaaagc atttgaattg tatttggtgg aacagcaaaa 360
aaaagagaag tatcattttt ctttgtcaaa ttatactgtt tccaaacatt ttggaaataa 420
ataactggaa ttttgtcggt cacttgcaat ggttgacaag attagaacaa gaggaacaca 480
tatggagtta aatttttttt gttgggattt cagatagagt ttggtttata aaaagcaaac 540
agggccaacg tccacaccaa attcttgatc aggaccccca atgtoatagg ggngcaatat 600
ctaccaatan ggtagtctcn cagcccttgc cgtgttcgat attccaaaga ctggntttgc 660
tccattccc 669
```

<210> 1532

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1532

```
ggtacaacct gcaaattact tgcagttctg agtttcagat aaaacattat aaaacattaa 60
attcaatata tactgtcctt ttgaaatttg ggtaaaaaat tgtacaaccg tatatatagt 120
catttttgta ttttttctat gttgtgaaaa ccaaaattgt aattttataa gtctttgatt 180
```

cactaaaatt atataattt

199

<210> 1533

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 53, 56, 69, 98, 101, 122, 131, 146, 162, 177, 194, 211, 301

<223> n = A,T,C or G

<400> 1533

```

tttttttttt ttttttttcc ttggaccata aattttttatt ggcaggtcag ganaanagcc 60
gggggtaana gtccttccct tcccatccct ctaccanana nacacctcc aaaggacagc 120
anaagcccca nagcctgctg cctcanagga ccttgagggc anacaaattg ttgtagnat 180
cttctgtgcc ctcnagcagg ctgcggtagg nggcaatctc ctgctccagc cgcgacttga 240
tgtccatgag ccgctggtac tcctgattct gccgctcact atcagctcgc acatcgccca 300
n 301

```

<210> 1534

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 435

<223> n = A,T,C or G

<400> 1534

```

ccaccacatc tttattgcat actcagggtga ataacttatt atacaatgaa cactcctcca 60
ttaggagacc atgccactt acagaatgca gccgtaaatg cggtaaattc atttacagag 120
gttgggggtgc aagatgagag aagatcagc cccaggaatt tgaagtgaga atgatctaca 180
aattctcctg acaaggagca accgggcttg tgcctagttag gtctgaaaga attcctggca 240
gagcgtaggg ggagattaga tctcggaatt gacagcaagt ttgggggacag tgcaagaaga 300
gaggggtgac ctgtgaattg gtgctgggga gctgctgagg cccaatgtga ggcagcacta 360
gagagatgag taaatttagg gtgatcttta gcctctccta cccaggcaag aagggttggg 420
gagcgggggg gccancaagt tggcttcag 450

```

<210> 1535

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1535

```

aaaaaaaaa tcaaaggcaa tcattctaaa tgtactatga tagcatgtta aagatgcaag 60
tatgctatag aaccaaagta atatgaacag cactactcat tacctaggag aaaggtgact 120
ggttttcaca caaagctaag cctgtaacag tcatcctaata cacaatggct tataaaagca 180
tcagggtttcc agtagagaaa ctattctagg aaagtcagta aatctcttga aagtttcaca 240
tctgtaaaac caggataagg ctacaactat ttgaaatct gaacaaggta tcagatgaaa 300
gagtaagatt cccagccata atgtaagata gaaaggctct catgcagcat atgctcgctg 360
gctccgggaa ggcttcacgt gcataatata gaagttgcca aagaaggaaa ctggagacgt 420
tcagctacat ttccatggtg ccgtgaattt t 451

```

<210> 1536
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 1536
 ccacagctaa catcattgca gcacctttac tcttctcggt ttttgcacgc accaacattg 60
 gcctttgcag tccccctgac tttcttcatt ctgttcttgc gttcctttcg ttgctttcct 120
 gaggtctttt tcttctcata caggccatgt cttgcaagtc tatgtttggg ttcatttttc 180
 tttgcataat ccagggaatc ataaatcatg ccaaagccag ttgtcttgc accacaaaaa 240
 tgagttctga atccaaatac gaagatgaca tccggtgtgg tcttgtacat tttggctagt 300
 ttttcccgaa tttctgtctt aggcactgtc gccttcccgg ggtgaaggac atcaatgacc 360
 atttg 365

<210> 1537
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 1537
 ctgttgcaca cttggactgt caccttctcc aggetggcag ttgatatctt attttttttc 60
 caactcattt ttattaaaaa aataaaaaaa tgctccaact atcagcttta caaaatctct 120
 aagggaaaca caagagcaag gtgtcgaggt aaaaacacct gaggtagctt cttctgtgtg 180
 tttttctcgt taaaaaaatc tgtgaattta acgccctggg ccaacaacct tggtaaattt 240
 ctactttcct ccacattttt ttt 263

<210> 1538
 <211> 181
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28, 39, 45
 <223> n = A,T,C or G

<400> 1538
 ccagagtgcag caggctgacc agcaccancc ctgatccana tgcanaggcc aggatgtggg 60
 cccagccctg tgccaggagg ctggctggaa taaaggtaca gatagaggcc tcacccctc 120
 tgggaccact ggcactcagg gtgtttgcag cctcagagcc cacctgcccc cagggccaca 180
 g 181

<210> 1539
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 1539
 catcatcgat gtggccccct tggacgttgg tgccccagac caggaattcg gcttcgacgt 60
 tggccctgtc tgccttctgt aaactccctc catcccaacc tggctccctc ccacccaacc 120
 aactttcccc ccaaccgga aacagacaag caacccaaac tgaacccct caaaagccaa 180
 aaaatgggag acaatttcac atggactttg gaaaaatatt tttcctttgc attcatctct 240
 caaacttagt ttttatcttt gaccaaccga acatgaccaa aaaccaaaaag tgcattcaac 300

cttaccaaaaa aaaaaaaaaa aagaataaat aaataacttt t 341

<210> 1540

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 26

<223> n = A,T,C or G

<400> 1540

```
ctgccgacgg agagtctcat ttggnnaagt atccgagcaa aacaaaaaca aaacaaaaac 60
caaataaaat ggtggttttag cagagacgcg cacattcaca ttgcacaagg cactgctggg 120
gcacagaggc cagatacaag tgttgatata ggctggtaaa gcaaaatatt tggaaagctt 180
gtcataactc cggtcctctt gggatggact gatcgtgctt cgtgttctta 230
```

<210> 1541

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 449, 457, 464, 467, 468, 472, 476, 482, 484, 488, 489, 490, 491, 495, 496, 497, 498, 499, 501, 502, 504

<223> n = A,T,C or G

<400> 1541

```
tgttattgct gttattgtgg ttgtggtgat agcagttggt gctggaattg ttgtgctggt 60
tatttccaga aagaagagaa tggcaaagta tgagaaggct gagataaagg agatgggtga 120
gatgcatagg gaactcaatg cataactata taatttgaag attatagaag aagggaata 180
gcaaatggac acaaattaca aatgtgtgtg cgtgggacga agacatcttt gaaggatcatg 240
agtttgttag tttaacatca tatatttgta atagtgaac ctgtactcaa aatataagca 300
gcttgaaact ggctttacca atcttgaaat ttgaccacaa gtgtcttata tatgcagatc 360
taatgtaaaa tccagaactt ggactccatc cgttaaaatt atttatgtgt aacattcaaa 420
tgtgtgcatt aaatatgctt ccacagttna aaacagnacc aaanaannca cngaanaaaa 480
ancntacnnn naaannnnna nngnttg 507
```

<210> 1542

<211> 371

<212> DNA

<213> Homo sapiens

<400> 1542

```
gagaaactgt gtgtgagggg aagaggcctg ttctgctgtc gggctctctag ttcttgcacg 60
ctctttaaga gtctgcactg gaggaactcc tgccattacc agctcccttc ttgcagaagg 120
gagggggaaa catacattta ttcatgccag tctgttgcat gcaggctttt tggcttctta 180
ccttgcaaca aaataattgc accaactcct tagtgccgat tccgccaca gagagtccgt 240
gagccacagt cttttttgct ttgcattgta ggagagggac taagtgtctag agactatgtc 300
gctttcctga gctaccgaga gcgctcgtga actggaatca actgcttcag ggaaaaaaa 360
aaaaaaaaa a 371
```



```
<220>  
<221> misc_feature  
<222> 38, 45, 88, 101, 146, 216, 229, 245  
<223> n = A,T,C or G
```

```
<210> 1544
<211> 98
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 25  
<223> n = A,T,C or G
```

```
<210> 1545
<211> 446
<212> DNA
<213> Homo sapiens
```

```
<210> 1546
<211> 277
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 11, 27, 88, 170
```

<223> n = A,T,C or G

<400> 1546

```
cctgagggga naccaccttc tgatganaac caacccttag ctaccactct gtattcatca 60
ggggaggggt ataaacccca catgcaanaa gaacccttgc cccagtgctc aaatgggatg 120
gggatgctag agttatagta aaggggaaac cctatgtaag ctgttaacan agttcacagg 180
ggtagggata acccctgttc tccagctccc aaatgtgctc actttcccag cttcttcac 240
cgttcatcaa tgctggcaaa gttccctca actgtgg 277
```

<210> 1547

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 28, 48, 49, 51, 58, 73, 82, 83, 84, 89, 90, 104

<223> n = A,T,C or G

<400> 1547

```
caacagtcgc tccctggacc tggacggnat catcgtctgag gtcaaggunc ngatatganga 60
gatggccaaa tgnaccccg cnnnaggttn aaccctggta ccanaccaag tttgaggccc 120
tccaggccca ggctgggaag catggggacg acctccggaa taccgggaat gagatttcag 180
agatgaaccg ggccatccag aggctgcagg ctgagatcga aaacatcaag aaccagcgtg 240
ccaagtggga ggccgccatt gccgaggctg aggagcgtgg ggagctggcg ctcaaggatg 300
ctcgtgccaa gcaggaggag ctggaagccg cctgcagcg ggccaagcag gatatggcac 360
ggcag 365
```

<210> 1548

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1548

```
aaaaaaaaact gatattaaat gtgacacttc agagctacta ctggaaggag taattcgtaa 60
cttccttacc ctcttccat cctgctgat tcaggagaag ggggaaaaaa caaagaaaac 120
aaaacgaaaa accaaccagg gtctcttgta gatttgctgc tattccacaa aatggttgca 180
tttgetgcc tgcacaatg ttggtccact gaaataggat ttctgcggaa actgtcaaca 240
gtagtaattc accatatgca agtaccatcc ttatcatgcg agaataatca caggttctgt 300
agaaatgtac aatgtgctta agataatgaa aattgtagcg ctgcatctga gatttatttc 360
tctacttagc tagtaaaact tgtcattttt gctcacttaa gtatgatcat ttgtgattcc 420
ttt 423
```

<210> 1549

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 113, 170, 199, 201, 216, 226, 231, 234, 236, 246, 252, 253, 257, 259, 263, 274, 276, 280, 287, 293, 310, 340, 360, 362, 368

<223> n = A,T,C or G

<400> 1549
 aaatagcatt tatctcagtt ggctctatgc cagttgggtct tggatttggg gtaaggggggt 60
 attgcaggta aaaagaggtg aagcagattc tggctttcag tttcttagct canaaattcc 120
 agcaatccct gtagttcttt gcatccctc accacctctg gaatagaaan caggggtctta 180
 taaatatgct gaaccatgnc ntctaatttt tctaancctt ttgcanaacc nccnanggtt 240
 ttctnttagg anntttntnt ggntctggac ctgnancatn agttttncct tcncattttt 300
 catctccagn aacatcctct cagtttgccc acctcctgan agagccacac tttctcctgn 360
 anccaatngg gggg 374

<210> 1550
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 1550
 agaggattga gtaagtagtt ggatggcttt cataaaaaaca agaattcaag aagaggattc 60
 atgctttaag aaacatttgc tatacattcc tcacaaatta tacctgggat aaaaactatg 120
 tagcaggcag tgtgttttcc ttccatgtct ctctgcacta cctgcagtgt gtcctctgag 180
 gctgcaagtc tgtcctatct gaattcccag cagaagcact aagaagctcc acctatcac 240
 ctagcagata aaactatggg gaaaacttaa atctgtgcat acatttctgg atgcatttac 300
 ttatctttta aaaaaaaaaag gaatcctatg acctgatttg g 341

<210> 1551
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 1551
 aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60
 tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccgagtt acttttcccc 120
 agatgactct ggttttggtt ggtttgccgc caggagtgc tgtgttggtc tttgctttat 180
 atacataagc gcatctcttg cccaaataga attctgtttc atctcgggag taaacacctt 240
 caattttaag aagagctgtg tgctcccttt ggttcggag accccgctta tagccagcaa 300
 aaatggcctt g 311

<210> 1552
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 1552
 ctgctgcctt catattgaag gtttttgagt tttgtttttg gtcttaattt ttctccccgt 60
 tccctttttg tttcttcgtt ttgtttttct accgtccttg tcataacttt gtgttggagg 120
 gaacctgttt cactatggcc tcctttgccc aagttgaaac aggggccccat catcatgtct 180
 gtttccagaa cagtgccttg gtcatccac atccccggac cccgcctggg acccccaagc 240
 tgtgtcctat gaaggggtgt ggggtgaggt agtgaaaagg gcggtagtgt gtggtggaac 300
 ccagaaacgg acgccggtgc ttggaggggt tcttaaatta ttttt 345

<210> 1553
 <211> 386
 <212> DNA
 <213> Homo sapiens

```

<400> 1553
cactctcctg ttgactatct ccagagctct aggtgttttag gcagcgtgtg gtgtctgaga 60
ggccatagcg ccacatcatggg ctgatttttta ttaccagggtc ccccagaagc aggtgggagg 120
ctctgcttcc tgctgccgct ctgcagcctg gacctgtgga ccctgggtgt aaagagtaaa 180
ttgtatctta ggaaaccagt gtcacctttt tttcaccttt taattttata ttatttgcgt 240
catacatttc ctgtaacgga agtggttaatt ttactgtact ttttgggtacc ttttgggaat 300
ctaattgtatt gtaagggtatt ttacacgtgt cctgattttg ccacaacctg gatattgaag 360
ctatccaagc ttttgaaata aaatctt 386

```

```

<210> 1554
<211> 239
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40, 86, 140, 184, 223, 239
<223> n = A,T,C or G

```

```

<400> 1554
cttttctgaa aaaaaaaaaa aaaaaaaaaa aaagcttgtg caaaaaaact ttttttgcca 60
tccatcctgt gcaatatgcc gtgtanaata tttgtcttaa aattcaaggc cacaaaaaca 120
atgtttgggg gaaaaaaaaa aaaaaaatcat gccagctaata catgtcaagt tcaactgcctg 180
tcanattggt gatataatcc ttctgtaaat aacttttttt ganaaggaaa taaaatcan 239

```

```

<210> 1555
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<400> 1555
ctgggtcaca tccatccctc cattcatcct tccatccatc ttccatcca ttacctccat 60
ccatccttcc aacatatatt tattgagtag ctactgtgtg ccaggggctg gtgggacagt 120
ggtgacatag tctctgccct catagagttg attgtctagt gaggaagaca agcattttta 180
aaaaataaat ttaaaacttac aaactttgtt tgtcacaagt ggtgtttatt gcaataaccg 240
cttggtttgc aacctctttg ctcaacagaa catatgttgc aagaccctcc catgggggca 300
cttgagtttt ggcaaggctg acagagctct gggttgtgca catttctttg cattccag 358

```

```

<210> 1556
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<400> 1556
cctataattc ctaccttgac tgtgtgcac atttgtaagc tagcagatct atgtgggtgaa 60
aatgcacagg agcttggttag actgcggggg aaagagagag ctcttttcgc catgttttac 120
cagtctgctg ttataacctc ttaggttgta tcttttaatt tccagccttt taggttagtt 180
tctgtaacag aacaagttag tctgggatga agtcctcaaa gtacttcaaa tggtaattgt 240
tttgtttttg taatagctta acaataaaac ctagggttttc caaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaa 309

```

```

<210> 1557
<211> 152
<212> DNA

```

<213> Homo sapiens

<400> 1557

```
tttaaaaatt gaaaaaagtg gaaaacatct ttgtacattt aagtctgtat tataataagc 60
aaaaagattg tgtgtatgta tgtttaatat aacatgacag gcactaggac gtctgccttt 120
ttaaggcagt tccgttaagg gtttttgttt tt                                     152
```

<210> 1558

<211> 371

<212> DNA

<213> Homo sapiens

<400> 1558

```
ccatagctgt aataacaatg acaacagtag gtaacggtag tcataccaac agtagggcag 60
tgcattttat attacaactg gtttcttgct ctagtaggct tggggatggg tgaagacgga 120
cagggtctggc gcagaccctt tccttctcct ctccagccca cagtgatctg ggcttttaca 180
agacagcctg cttccattca gtagtggtgg aaagttcctt cttggcttag caatacccct 240
gagaccttgt tcagtgggct gtgtctctcc ctgggatgct gggagcacca agtgtggccg 300
agctagggct gctgacttcc tctgggcgcc tctgggctgc gaggggtctct tacaggaatt 360
gaggcccttt g                                     371
```

<210> 1559

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 24, 25, 104, 349, 350, 396, 399

<223> n = A,T,C or G

<400> 1559

```
aaaaaattta actccatatg tgnnctctt gttctaactt tgtcaaccag tgcaagtgc 60
cgacaaaatt ccagttattt atttccaaaa tgtttggaag cagnataatt tgacaaagaa 120
aaatgatact tctctttttt tgctgttcca ccaaatacaa ttcaaagtct ttttgtttta 180
tttttttacc aattccaatt tcaaaatgtc tcaatggtgc tataataaat aaacttcaac 240
actctttatg ataacaacac tgtgttatat tctttgaatc ctagcccatc tgcagagcaa 300
tgactgtgct caccaggtaa aagataacct ttctttctga aatagtcann atacgaaatt 360
agaaaagccc tcctattttt aactacctca actggncang aaacacagat tgggttct 418
```

<210> 1560

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 420

<223> n = A,T,C or G

<400> 1560

```
cttagagtct tttgtgccat aatgcagcag tatggaggga ggattttatg gagaaatggg 60
gatagtcttc atgaccacaa ataaataaag gaaaactaag ctgcattgtg ggttttgaaa 120
aggttattat acttcttaac aattcttttt ttcagggaact tttctagctg tatgactggt 180
```

```

acttgacctt ctttgaaaag cattcccaaa atgctctatt ttagatagat taacattaac 240
caacataatt ttttttagat cgagtcagca taaatttcta agtcagcctc tagtcgtggg 300
tcactctctt cacctgcatt ttatttgggtg tttgtctgaa gaaaggaaaag aggaaagcaa 360
ataccgaatt gtactatttg taccaaactt ttgggattca ttggcaaata atttcagtgn 420
ggtgtgttat taaataagaa aaaaaaaaaat tttgtttcct aggttgaagg tctaattgat 480
acgtttgact tatgatgacc atttatgcac tttcaaataa atttgctttc aaaataaatg 540
aagagcag                                     548

```

```

<210> 1561
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<400> 1561
aaatgtcatt ggaaaagttt tattgaaaaa aaatgtacaa ataagttctt ggattgatag 60
caacaaaggc tcatgttccc ccttccctcc ctatctttga agaactaaaa aaggaagaaa 120
caaaacaaaa agctcatccc cacaacgccg gacacgatgc ttcttgacca gagtcttccc 180
agaagccctt cctgggagct ccttctcaat ccgcctcact gcgggccaggc cattctgggg 240
gtgcctgggc ccaggggctg cagcgcctag ttttatagtt gggagagggt gggatagagc 300
tggggaggca g                                     311

```

```

<210> 1562
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40, 92, 95, 143, 152, 236
<223> n = A,T,C or G

```

```

<400> 1562
ataatggact tttctgtaag aatgtaaaac tcaaaaattn gccaaagtatg tatctgatcc 60
acacaaatcc ttagaaagggt tttctgtgta gntcncatta acgcaaactt ttgggaatgt 120
ttcactctta ctgtagagat ctngaatatg cntcacaata atgaagctac aaagttttta 180
tgcagtgcac tcattgtaaa ctataaataa catttgtatt aaaaggaaaag ctgggnaata 240
caaaaatagg agagactctg aggagc                                     266

```

```

<210> 1563
<211> 78
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 60, 67, 74
<223> n = A,T,C or G

```

```

<400> 1563
caaataataa attagttaaa tcagtttctg agttatgccg ctggctgatg aaaagttgan 60
aggctctntt gcanaatg                                     78

```

```

<210> 1564
<211> 261

```

<212> DNA
 <213> Homo sapiens

<400> 1564
 ctggtaaagg tgactgtaca gatgtgcatt ttccttttgg tataaatggg ccacagcact 60
 aactggtaag gcttattgta cagtatatgg tcagtattct tctgggttcag cataccttat 120
 agttcatata taacctgtat taattgtata gattgtgcat taaaagctgt taccaagttg 180
 tcagaacata agagcgaaaa caaggtcata tgtaatatatt tgtttgtaag tatectttgt 240
 atcatagcaa aggaaatggt t 261

<210> 1565
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 1565
 ctgactcctt gaatatccag tgtgacccat aaaatagttt gttaataaccg gatcttaatt 60
 tttatgttat tcattaagat tttaactata ttcagtacgt aatttggaga caaactagca 120
 tcatcaaaac tgctgtata taggggtgtt agtctttcta taaaaacaga atagggcagt 180
 tacctaccag ttaaaatata ttatatgaag aaaatagaat aaagatccag tcatatatgt 240
 aaataagatg tactgattgt acgtaaatga aaaatggacc ctttaaaaaat tatttttacc 300
 tgaagcttgt cataattttt tt 322

<210> 1566
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 296, 299, 331
 <223> n = A,T,C or G

<400> 1566
 aaagtttgct aaatcttagc acaaatgcag attcccagag ctctttctgat tttgaagttc 60
 cctcaactcc agaagctgag ttacctaaac gagagcattt acaatatatta tatgagaagc 120
 tggcaactgg tgagagtata gcagtcaaaa aaagaaaaatg ctcaacttta gatacctaag 180
 aattcaaagc gtttcaacct agagcaacca ctaaaaaacc tgcacagaga tggcagtcac 240
 tattacaata gagaaaatac agtacttaaa aatgttcaaa taacctgggt ggggtgngng 300
 gctcacactt gtaatcccag cactttgagg ngggcaatgg cttgagccca ggagttcgac 360
 accagcctgg 370

<210> 1567
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 1567
 ccaccactca cgtcccaggt gacgtttatg acatgcccg cgtgctctgtt acccccttgc 60
 tcagaaacct tcaggagtta gccaccgccc ataggacaag gttccaaggg gcttt 115

<210> 1568
 <211> 181
 <212> DNA

<213> Homo sapiens

<400> 1568

```
gctgccccag ggccctgggaa ggaggccgct atgcagggtg gcactgggaa caggagaccc 60
acctgaggct cagccctagc cctcagccca cctggggagt ttactacctg gggaccccc 120
ttgcccatgc ctccagctac aaaacaattc aattgctttt ttttttggtc caaaataaaa 180
c                                                    181
```

<210> 1569

<211> 497

<212> DNA

<213> Homo sapiens

<400> 1569

```
ctgagaaatc taggtggatt catattcgta atcattgatt aacatgcaca tttgggtttg 60
cacatttttg tttatcatatc attttttctcc gttttctatt aaagaacatg ctctagggga 120
actattaata gccaccagt cgggtaggca gcattcaatc cttctatgcc ttctttcgcc 180
acctgttgag gtctttcttc tgaaacaaaag aagaaataga caaatcagac ttgccctctt 240
ggaaatgtgg tccagatttc tctactccca agctccaaaa aaggcataca ttggatgggc 300
tagatcaact cctcctgaga gccataaatc cgccaagagt tgttttccat gtaaggggtg 360
ggtacaatgg ggaacgcctg atgttggagg aaagcaggag gacttttagag tggagttgca 420
ttctaattct tctgcgcgtt caactatgtg acctggggca aatgatataa actctatgag 480
cctcttttct tatctttt                                                    497
```

<210> 1570

<211> 413

<212> DNA

<213> Homo sapiens

<400> 1570

```
ccacaccagg gaccctgcca gagggccgag actggcagca gcagcctccc cacacagtgg 60
gggaagagcc actccatccc caaattcaag attagaaaga tccctgactg cttctcaaga 120
tccagaacat tccttgacag agtatattca ccatttagaa gtgatccagc aaagattggg 180
aggggtacta ccagattcta cttcaaagaa atcctgccac ccgatgatta aacagtgaat 240
gaaatgtcat ggctctttcc tgcgacaatt ctatttgagg aaaagatttg tttttccctt 300
ttcccaagga agctcgtggg acagcatggg cactactctt catgtgcggt gacaccagcc 360
cccagatgcc ttgaattaag tgcctcacc tttatgcatg actgcaaagc cag          413
```

<210> 1571

<211> 385

<212> DNA

<213> Homo sapiens

<400> 1571

```
aaaacattgt cagggtgaggc aaatgcacaa gtaatagaaa gcaaagggca aggttccactg 60
aatcacagca gtcagaagaa agtgctttag ggaaccaaga gattgtttcc agcctgaaga 120
ggcatgggtg gcaaatacaga aaaggggatt gagattaaaa tagaagactt cagtctggat 180
tgttgatgac actcagtatg gactatattt gtctctcctt ttctttcttc cccatctttg 240
ggcttaattt acatgtagtg ccagagactg ttcaatgcgc tttttctata cttgcttgca 300
tttttgcttt aatgtcttct acagaactag gtcccttttg tgtttttagga gttttttcct 360
gtttcttgaa ggattcttgt cctttt                                                    385
```

<210> 1572

<211> 155

<212> DNA

<213> Homo sapiens

<400> 1572

```
atcaaagcag tggacaagaa ggctgctgga gctggcaagg tcaccaagtc tgcccagaaa 60
gctcagaagg ctaaataaat attatcccta atacctgcc a cccactctt aatcagtgg 120
ggaagaacgg tctcagaact gtttgtttca attgg 155
```

<210> 1573

<211> 527

<212> DNA

<213> Homo sapiens

<400> 1573

```
ctggagaagt tacttttatt cttgcagttt tatactagga agtcaacatt taataagcca 60
tcatccacaa ttgattaaaa atgtttaatc cttaaattgt gcatcaatat cctatgactc 120
caaattttat ttatcactct ctttcaagtc tgaagaaaat gattaatttg ctaagttcca 180
cagacagtac agtcccactg acataacatt tagtatgatg tcctactctc atattagaat 240
taaggacagc cagtatcaaa ctggcctgaa acctgattgt gttcctgggt cagaatacct 300
gtagtaaatc tgtaaatcca caccaagaca caacattaaa ctagggtgtg tatactctat 360
aaaaaccttt tcacagtaaa aatcaacatt aaaattttac caaattccaa cattatgggt 420
tttgaatcca attaagcttt caaaatgcct gattagctgt gaattaatta taaataactt 480
catgtagttt gccagcatt tcaaaatggg tatggactat catgttt 527
```

<210> 1574

<211> 427

<212> DNA

<213> Homo sapiens

<400> 1574

```
ccattttctc cctgacggtc ccacttctct ccaattctgt agttcacacc attgtcatgg 60
caccatctag atgaatcaca tctgaaatga ccacttccaa agcctaagca ctggcacaac 120
agtttaaagc ctgattcaga cattcgttcc cactcatctc caacggcata atgggaaact 180
gtgtaggggg caaagcacga gtcacccgta ggttggttca agccttcgtt gacagagttg 240
cccacggtaa caacctcttc ccgaacctta tgccctctgt ggtctttcag tgcctccact 300
atgatgttgt aggtggcacc tctgggtgagg cctgtcagag tggcactggg agaagttcca 360
ggaacctga actgtaaggg ttcttcatca gtgccaacag gatgacatga aatgatgtac 420
tcagaag 427
```

<210> 1575

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1575

```
ctgtagcaca aacagatttg aaggagccgc tgaaagttct tggcattact gacatgtttg 60
attcatcaaa ggcaattttt gcaaaaaataa caaggtcaga aaacctccat gtttctcata 120
tcttgcaaaa agcaaaaatt gaagtcagtg aagatggaac caaagcttca gcagcaacaa 180
ctgcaattct cattgaaga tcatcgctc cctggtttat agtagacaga ccttttctgt 240
ttttcatccg acataatcct acaggtgctg tgttattcat ggggcagata acaaaacct 300
gaagagtata caaaagaaac catgcaaagc aacgactact ttgctacgaa gaaagactcc 360
tttcctgcat ctttcatagt tctgttaa atttttgtac atcgcttctt tttcaaaact 420
agttcttagg aacagactcg atgcaagtgt ttctgttctg ggaggtattg gagggaaaaa 480
acaagcagga tggctggaac actgtctgag gaatgaatag 520
```

<210> 1576
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 1576
 ttctgtgggca aacgcagagg cgggaacaaa ctagccctca agacgggaat agtagccaag 60
 aagcagaaga cggaggatga ggtattaaca agtaaagggtg acgcgtgggc caagtacatg 120
 gcagaagtga aaaagtacaa agctcaccag tgcgggtgacg atgataaaaac tcggccccta 180
 gtgaaatgac gcccctcccc c 201

<210> 1577
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 1577
 aaaatctctt cttcctcagg agtcagcttg gctcccttct tgcggcccag gggcagcgca 60
 taatgggact cgtaccactg tcggtaacgg gtgctgtcga tgagcacgat gcaattcttc 120
 accagggtct tggtagaac cagctcggtt ttagatgcat ttagagacaac atcgatgac 180
 cttgttttac gagtacaaca ctctgagccc caggagaaat tccccacgtc caacctcagg 240
 gcacgggtatt tcttgttacc tccccgcaca cggactgtgt ggatgcggcg ggggccaatc 300
 ttggtgttgg cag 313

<210> 1578
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 1578
 gcatgaaacc cctgtcacat atcccctaga ttgctcaatc aatcacgacc ctttcatgtg 60
 aaatcttttag tgttgtgagc ccttaaaagg gacagaaatt gtgcacttga ggagctcaga 120
 ttttaaggct gtgacttgcc gatgctccca g 151

<210> 1579
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 1579
 aaaccaaagt ttagaaagag gtttttgaaa tgcctatggg ttctttgaat ggtaaacttg 60
 agcatctttt cactttccag tagtcagcaa agagcagttt gaattttctt gtcgcttcct 120
 atcaaaatat tcagagactc gagcacagca cccagacctc atgcgcccgc ggaatgctca 180
 ccacatgttg gtcgaagcgg ccgaccactg actttgtgac ttagggcggt gtgttgcccta 240
 tgtagagaac acgcttcacc cccactcccc gtacagtgcg cacaggcttt atcgagaata 300
 ggaaaacctt taaaccccg tcatccggac atcccaacgc atgctcctgg agctcacagc 360
 cttctgtggt gtcatttctg aaacaagggc gtggatccct caaccaagaa gaatgttta 419

<210> 1580
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 11, 12, 13, 15, 16, 23, 28, 32, 40, 48, 49, 51, 52, 60,
71, 75, 84, 89, 110, 113, 114, 116, 120, 124, 127, 129,
134, 135, 136, 141, 148, 149, 150, 157, 158, 159, 163, 165,
166, 167, 170, 171, 184, 189, 212, 217, 218, 220

<223> n = A,T,C or G

<400> 1580

```
naaagacaaa nntnngcag tgnactgnga ancttcttan tgggctannt nntccaggcn 60
tgaagcacct ncgtnatctt tgangaacna tcccttggac actgcgctgn aannanattn 120
accnactnanc atannnctca natgcacnnn gctcgcnntt gcntnnnggn nttagtactt 180
acctgttant gtgatgacaa tactctgcct cnaccanntn t 221
```

<210> 1581

<211> 220

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 13, 15, 18, 20, 24, 31, 35, 37, 40, 44, 54, 62, 63, 64,
71, 72, 74, 83, 84, 85, 92, 110, 191, 203, 207, 210, 213,
215

<223> n = A,T,C or G

<400> 1581

```
aaaagacaaa anntntgnan aggnctggga ngctncttan tggnotacat aatncagccc 60
tnnngcacct nngngatctc tgnnnaactt tnccttgggtg actgtgcttn atccacatta 120
accatgcttg catattgtct cacattcacc aagcttgctc ctgccttggg gcctttgtac 180
ttaccatggt ntgttttgag aanactntgn ctnangatat 220
```

<210> 1582

<211> 391

<212> DNA

<213> Homo sapiens

<400> 1582

```
ccacagcacc agcctcttct ctagaacttg ctactcttaa ctcccttaat atcaaacttc 60
tttacccttc aaggtccctt cagcatggcc ctgcccctcc tgtctcttct ttctctgcct 120
ctcgtgttaa ctcactgctc acacttttac ctctgcactc ccacacacca aaccttccaa 180
caaaacaggc ttctctctgc aggcaattca catccctcac ctccctcaaa ctctacctcg 240
aaactcctct tttccagaaa gcgctcggtc tccctgggtc cagtcctca ttacctggct 300
cacgtaatgc tctgggtatc agaggacctg ggctatagtc ctggctcctgc cacctgttgg 360
ctgttatggt cttatgtatt ttcttatatt t 391
```

<210> 1583

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 211, 268, 370

<223> n = A,T,C or G

<400> 1583

```
ccagtgaag gaaacaaaac tggcagtttg tccatttgaa tatcagacct agtttcttct 60
taatttccac actattttctc ccatatttct taaacttctt ggcatccttc atgccttaca 120
gctaccacaga tgcaataaaag tcattgtaca gtatttctta caatataagt tatatgcaat 180
gttcagcatt tttttttttt cacagcacta nagacctgt taaatagggg atatgagtca 240
gaatggctta ttcacagatg ggggtccanac tcagtgggtg gaacacagac accacagtga 300
gtccttttgc aaagtggcaa acataatttt gctttctgcc ttcaaaaaca tatatccatc 360
gcgttagggn tt 372
```

<210> 1584

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1584

```
ctgctgcttc agcgaagggt ttctggcata accaatgata aggttgccaa agactgttcc 60
aataccagca ccagaaccag ccactcctac tgttgacgca cctgcaccaa taaatttggc 120
agcagtatca atgtctctgc tgattgcact ggtctgaaac tccctttgga ttagctgaga 180
cacaccattc tgggccccat taaataccgt agagccctct c 221
```

<210> 1585

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1585

```
ctgattttta tttttcttct tgattctctt ctacagtttc caaattctct acaatgaaca 60
tgtacttctt tttaatatca aaagacaaaa gaattggtac gtaaaaagaa catccttccc 120
atcttcaagg tcaagattga acgctgactc ctgcaggaag tcttccagga ttcccaggca 180
ggaatgatgg ctccctgtcc ctgtagctcc aggagtctt gcttcacgca cgccccacat 240
accagactga atgttggcag gaggagtgc caggtcgggc atctgtgtcc ctaccaccta 300
caacaggcca gcaatctacc cgtgtgtgtt tgttggacag aattaaccat gatgggcggc 360
cgagggcgcc tggag 375
```

<210> 1586

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 31, 54, 89, 117, 127, 140, 153, 156, 165, 175, 179, 203, 223, 236

<223> n = A,T,C or G

<400> 1586

```
aaaaaaatcc ccactgtcat gaacataaat ngaggttttc agcccgggta taanctgaat 60
caaaaaaagg aaataaaaaa tccaatagng tattaaacat ttttactca tttgccttac 120
tgacagngca aatacaaatn tggactaaat gtncanactc tcaanacaaca atgtncagnt 180
ttcttcgtcc tccatgctaa aanatgtaaa agcttaaggg tonaacaata ccaatngtat 240
aggcttcaaa aaccatctaa gttaggg 267
```

<211> 299

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

aaaattcatg	gaagtaataa	acagtagnta	aaatatggat	actatgaaaa	ctgacncaca	60
gaaaaacata	accataaaat	attgttccag	gatacagata	ttaattaaga	gtgacttcgt	120
tagcaaacag	cagacattca	tacatatccg	gtggaagact	ggtttctgag	atgcgattgc	180
catccaaacg	caaatgcttg	atcttggagg	aggataatgg	ccccgaagtc	ttgcngaagc	240
tctttatgtc	aaacttctca	agttgattga	cctccaggtt	atagttntca	aggttttcca	299

<211> 329

<213> Homo sapiens

gatgacttca	tttctcagga	cagaatgaca	caaacacaag	aagcagtctc	tagggctggc	60
tgagaccaca	tttatctggt	ctctctaaaag	cactagctca	gctcccaaaa	gaagaattac	120
aaatctgaga	agtttagagga	aaggtacaga	ataggaattc	tgattaacaa	gaaaaatcaa	180
ttaatgacat	tggtactcta	ttcttctatat	cagtaataat	acaaactcag	ccctttttaa	240
tcagagaatc	tgccattcta	tattctaataa	agtagcttta	caaccacctaa	agtaaaaagaa	300
ttacatgaag	gtqtaaacca	tattgcctc				329

<211> 303

<213> Homo sapiens

aaaaaatttg	atttagcatt	catatttttc	atcttatttc	caattaaaag	tatgcagatt	60
atttgcccaa	agttgtcttc	ttcttcagat	tcagcatttg	ttctttgcca	gtctcatttt	120
catcttcttc	catggttcca	cagaagcttt	gtttcttggg	caagcagaaa	aattaaattg	180
tacctatttt	gtatatgtga	gatgtttaaa	taaattgtga	aaaaaatgaa	ataaagcatg	240
tttggttttc	caaaaaaaaa	aaaaaaaaata	aaaaaaaaaa	aaaaaaaaaa	aaaaagcttg	300
tac						303

<211> 130

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

<400> 1590

```

atattttttt cctttgcatt catctntcaa acttagtttt tatctttgac caaccgaaca 60
tgaccaaaaa ccaaaagtgc attcaacctt accaaaaaaa aaaaaaaaaa gaataaataa 120
ataacttttt                                     130

```

```

<210> 1591
<211> 123
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 25, 38, 61, 97
<223> n = A,T,C or G

```

```

<400> 1591
cctaaagagc tanagaagca agtangggcc agggccanag tgggcttcaa tggaacaaca 60
ncccagtgcc ctaaggcccc taactcttgc tggctgnttc ttgaccccaa gccagggttg 120
gga                                             123

```

```

<210> 1592
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 513, 606
<223> n = A,T,C or G

```

```

<400> 1592
ctgaagaaac aggtataaat ttggcagcca gtaattttga cagggaagtt acagcttgca 60
tgactttaaa tatgtaaatt tgaaaatact gaatttcogag taatcattgt gctttgtggt 120
gatctgaaaa atataacact ggctgtcgaa gaagcatggt caaaaatatt taattcactt 180
caaaatgtca tacaaattat ggtggtttct atgcaccctt aaagcttcag tcatttagct 240
caggtagata ctaaagtaat atattaattc ttccagtaca gtggtgtttc ataccattga 300
catttgcata cctagaataa atttagaaaag acatgtgtaa tattcacaat gttcagaaaa 360
gcaagcaaaa ggtcaaggaa cctgcttggt tcttctgaga tggcttcata tcagcttcat 420
aaacattcat tctacaaaat agtaagctaa catttgaaca caatttcaa gataaagcat 480
attttctcat aaataatgaa gtctttttct cangcacctc agaagtatac aaaagaattt 540
gagtttgaac agatctcttg gaatgtgttt aacctggtat ttcaacagac ttaagatttc 600
cagggnntca caag                                             614

```

```

<210> 1593
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<400> 1593
aaaatgtcca gaataagcaa atctccatat agaggaagta gattagtggt tgcttcggga 60
tgggaggaat gggaagattg aggtcttttct tttgcagtga taaaaatgtc ctaaaattga 120
ctgtagcgat ggccacacaa ctctgaatat gcttaagacc attgaattac acactttacg 180
ttggtgaatt gtatggtatg taaattatag ttcaataaca tagttacaaa agataatcaa 240
aagcatgaaa gcactattga tgtggttttg atctgtgtcc tcaccgagtc tcatgttgaa 300
atgtaagccc cctggtggga ggcgatggga ttatggggca gagtcctcac aaacggttta 360

```

```
gcaccacccg ctcagtgtgt ttctctgat attgagtcct catcacatct ggttgcttca 420
aagtgtgtgg tgcctccct ctgtctcct cctgctctgg 460
```

<210> 1594

<211> 226

<212> DNA

<213> Homo sapiens

<400> 1594

```
tgacaatcct ggaaatctgt tctccagaat ccaggccaaa agttcacag tcaaattggg 60
aggggtattc ttcattgcagg agacccagg cctggaggc tgcaacatac ctcaatcctg 120
tcccaggccg gatcctcctg aagccctttt cgcagcactg ctatcctcca aagccattgt 180
aaatgtgtgt acagtgtgta taaacctttt tttttttt tttttt 226
```

<210> 1595

<211> 204

<212> DNA

<213> Homo sapiens

<400> 1595

```
gttctggaag caaaaggccc aaggtggagt attcagaaga ggagctgaag acccacatca 60
gcaagggtac gctgggcaag ttactgtgc ccatgtgaa agaggcctgc cgggcttacg 120
ggctgaagag tggctgaag aagcaggagc tggctggaag cctcaccaag cacttcagg 180
actgaccaga ggccgcgcgt ccag 204
```

<210> 1596

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 21, 58, 59, 61

<223> n = A,T,C or G

<400> 1596

```
aaagacatgc caatttgaat nggcatcaaa gtaaaaaaat aaaagcaaatt gctaaaant 60
nctttacaat aaaaaaatta aataattggc aggttaaatt aatgtaaaat gaggaattga 120
cagtgaaaaa caaactaata taaagcattc cagttgataa aaacctctc aggccttatg 180
tttgttttcc aaggaaatta tgtttcaatg taaagtttga aatactccag acatacattc 240
catgtagggt ttgggtgcc atgttaaaat ttcaaatttt gcatgcaagg cttagcaaag 300
aaacactggc agaattccag catttgcaaa attctaagtt ttgggtgaata ttgtaaatat 360
tacaattggg attagaaagc catgatgaat ccagaattaa gagaaaacc atttcataaa 420
tattttgttt gattaaaaaa taccaggctt accatgtttt aaataattca agaaaacatc 480
ttt 483
```

<210> 1597

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 56, 59

<223> n = A,T,C or G

<400> 1597

```

aatgaagaa accatgcott taggggcccg tgaacacaga accctcaaga caaggntgnt 60
ttatctggag gacacatcta gctgccattg caacctcact gggctcccca gactctgtgt 120
gtgagaaatt aaaccccttg cttgcttgaa aaaaaaaaaa aaaaa 165

```

<210> 1598

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 464, 471

<223> n = A,T,C or G

<400> 1598

```

ctgcaccatt ttcaggatca tnttgatata ctgcatgggc attgcaaaaa tcttcagctt 60
cttacagcac aggcgtagta catTTTTtctt tgccttcact ttctcaatga ggtaggagaa 120
caattcatca caggcacctt ccttgaggaa cagggtctac agcacctcta ctggaatgaa 180
gggctgctct gcctctgtgc tcaaaccatc tacttttgcg ttctttgtca tgggctgagc 240
tgcttctggc tctggaaatg agtacagact ggccctgttt ccagaccata cagtccagaa 300
gtcctgatga gagttcttcc gtaaattccag cacttgaagt ttccacctcc tggggcgaac 360
ctcctgggca aggagcacat caagtccatc aagcacagct ttgaaggctc ccaggtgaag 420
atgttgtccc ttcattcacgc actcccagag ggaggcaggt gaanggccag ng 472

```

<210> 1599

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 54, 58, 61, 180

<223> n = A,T,C or G

<400> 1599

```

ccagggctgg tgttgggcct ttagcagcat cttccggtgc tatectcccc tccnaccntt 60
nacagctaaa gccaaagtcca gcggccgcag tcttcacctc tccacaactca ctttttatct 120
ggtgttttta cttctgcttg cgtttgctct ctagccaata aaccgtcctt gtgtgcgagn 180
caaaaaaaaa aaa 193

```

<210> 1600

<211> 370

<212> DNA

<213> Homo sapiens

<400> 1600

```

ccacgcaggt cagtggtaat caaaactctg ctagagccag aacgaaactc cctcataatc 60
acgtctcggt ccttttgggc catatctcca tgcattggcg atacagtga atctcgagca 120
tgcattctct cggtagacca gtccacctc ctcgggtgt tgatgaagat gactgcctgg 180
gtgatggcca gggtttcata caagtcacat agtgtgtcca gcttccactc ctctcgttcc 240
acgttgatgt agaactggcg gataccctcc agggtcacct cttccttctt gacaagaatc 300

```



```
cgaatgggggt cccatcatgaa cttcttgggc acctcaagca catcagaagg cattgtggct 360
gacagcaaaa                                     370
```

<210> 1601

<211> 548

<212> DNA

<213> Homo sapiens

<400> 1601

```
aaaaaacctt caatcaacaa tatataaata acttaatctg aggtaagagg gaaaaatgcc 60
ctgcaaacac tttagaaaaa cacatctctg ccacactaca gaaatagacc tttaccacat 120
cttctgaatc cccagttccc tccatctacc aaagattttg ggcaccagaa ctaaagatga 180
gaatctctcc caccctacc acttccagggt aaacacaaag ttcattgttc gccaggctaa 240
agtacaagaa aactgaaccc actctccatc ccaccccatc ctaggatagg tggggccagg 300
gcagaaatca tggatgctc aggactccac cctctccaag tgcactgagg taagttctgg 360
aactgagctt cctcccaacg agccactcac ctctctggg agttcattca cctcctctcc 420
cttctcctaaa ggacaatggt taatctctga aattcctctt gccttgtcag cagccaccat 480
ctggctgccca ctccaaccag tcctcaaaaag aactcagcct ccaaccctga ccccaaactc 540
gtccaacc                                     548
```

<210> 1602

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 23, 219, 325, 335

<223> n = A,T,C or G

<400> 1602

```
ctggagaccc aagttccctt ctnattgctc aggggttagg tgtgtcatct gcctcaccac 60
actcccccat acatcatgcc ctgtgacttg atgcttcacg ttgcatgggt catgactggc 120
gccatgggca ctggaaagggt gtggtttcca agaccccttc ctaccctcca tccagtagct 180
gtcaaaggga aacttggtga ggtcagctct ctactcana agggagacag ggaaaaaggc 240
agaaagggaag ggagctgtta ggatacccaa cagaatocca tctggccttg gtgcccctaa 300
aggctgtaaa acttggtact tttngttcc canganctat ttatccaagg tggctagtaa 360
attgccttac tgatecaatg ggttcccccc accccacctt gg                                     402
```

<210> 1603

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 20

<223> n = A,T,C or G

<400> 1603

```
aaatgttgaa ctgagctaan gatgcacttt cttgtggaca tagaaggggc ccacgtaagg 60
ccctgagtag gctccttagt tgctgcttta cctgatgagg gccaaagaga ttaactctgc 120
ctcgttgcca tgtctcagaa aagttgccat atttcaccca gaaggggctc gttttctct 180
tactcttact ttaaccatgt gcctggagga gccattctgg gctcttgcaac ttgccagcc 240
```

```

tttctttgcc aggggcagag aagggaaggg gggtagattg agtgtgccaa gggccgtgca 300
agggcaggct tgctttccac ccatctgtgt agggagccct ctcccctcgc tcttgccctc 360
tgttcacacc tggtgtcttg gaagaggatg gtccctttgt ctttaaggctt tgtgataaag 420
tcatctccag ttaggatctg cacctgtttc cttcgtaata gtgcctggcg gcctttctga 480
agtta                                         485

```

```

<210> 1604
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<400> 1604
ccaatcagtt tgcaatttat aaacctgtca ctgatttttt ctttcaactt gtggatgcag 60
gcaagggtga tgatgccaga gctctcctac agagatgtgg tgcaattgct gaacaaacct 120
cgattttggt gttgttcctc ctttaggaatt ctaggaaaca aggaaaggca tcaactgtga 180
aatctgtggt agaattgatt cctgaattaa atgaaaagga agaagcatac aattccctca 240
tgaaaagcta tgtctcagag aaagatgtca catctgctaa agcactgtat gaacatttga 300
ctgcaaagaa tacaaaattg gatgatctgt ttctaaagcg ttacgcatct ttgctgaagt 360
atgctggaga gcctgtccct ttcattgaac cccctgaaag ctttgaattt tatgcacagc 420
agct                                         424

```

```

<210> 1605
<211> 527
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 475
<223> n = A,T,C or G

```

```

<400> 1605
aaaaggctag aacatccttt gacttcttga aaatctgcat gtctggcttg ggttttatta 60
ccacatgcct gagttcttca agaatggaag gctcaagtat tctcatcttc catttgccaa 120
acttccttcc tgatttgagt cacgtgttcc acttggaag aaagggaaca gagagcctcc 180
tccatggaca gtgtatgaat ttcatgggga atcttgctct ctcccgctc tatgccttcc 240
tctcttttta accttacttt acataatatt atagatgggc caagaaaaga aaagatgaca 300
taacattttg atgaattaca cctattccat tcttcacgtt tcagaattgg tcgactttgt 360
tagaagataa ttgaagtagc cttgggtcaa aagcaacctt ttcaattgtg atcataccta 420
aaacatataa aaacctgcc gtagattaaa agcaattata aaatcataaa attgnatggt 480
tgcagaatcc tggagcagta gatttctttg tctttggcct gcggact      527

```

```

<210> 1606
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<400> 1606
cctgtctcca aggtccctta gagcaaccca tacaaccaac aggtcgcgta cactaccaag 60
gaagctgctg tgtgcagcca tcgcacactg ggtccccatg aggaaaggaa ctcagtcggc 120
ttaattggct gcggagcatc ccaagaacca ctgaaaaggc gccactgggc tctctgccaa 180
gcttcagcta cctgctggca agatggttgt cattcagcta aaagcaagaa gagctactcc 240
catcaccagt gtttccccta acctgtgggg aagagcttgc taagacttac tcatgctttg 300
tttgtatctg caggaagggg tcttgagtga ccaactgaaag tcaattgccg gcctggcttt 360

```

```
tctagtagcc atagtggctg agtcaactggg gccacctcta tgctctgata aaataatgca 420
agcctaataa tgtagagact ccaactgcct taaaaggccc agaccaagct cacctgtcag 480
ccccagcaca ggacaacatc ttgttgatgc ggatgacgtg gaaggggtgg agccgc 536
```

<210> 1607

<211> 124

<212> DNA

<213> Homo sapiens

<400> 1607

```
tacgtgatag atgttacgct gccttggtga aaatttcaact gactttgatt ttattacttt 60
tttaatgata gttatcaaac ttgtatttaa gctgcttgct atttatggaa tattgaactt 120
attt 124
```

<210> 1608

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1608

```
aaaacccaaaa aaaaaaaaga gagagagatt aaaaacagtg cattacaaaa acaaaaatca 60
aacttcctta agtggcactt ctgaaagttg aactgacact accagaagaa atttaggcca 120
gttaagacag ggatgttctt actcaattgg tcattaaaaa catccacttg tttgtaatac 180
gtatttataa ttactttttg atgattgaaa aatagaacaa ggttttacta ggtttactta 240
tgacaatgac tagacaacca gagatccaac tggcttagcc ctacttatcc aaaagtacat 300
ttccaataag aatatacttc aatgatt 327
```

<210> 1609

<211> 208

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 200

<223> n = A,T,C or G

<400> 1609

```
aaaggctttc tttgagctca tttgtaggct tatctaccta ctgagtaaag tagttgggtg 60
tcctaattttt attaatagga ttaattttta ttataaatca ttagagatgt tttgatactt 120
tagttaaaac tgcttttttag taaatttggt tttctttgca gatatgaggg aaggcaccat 180
tggagatatg gctatcctgn gtataaca 208
```

<210> 1610

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 63, 360

<223> n = A,T,C or G

<400> 1610

```
<210> 1611
<211> 332
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 22
<223> n = A,T,C or G
```

```
<400> 1611
ctgggggcac tgaatctact antaacacaa gcaattcact ctgggaattc tgtcaaatat 60
ggtggtatct gttaaaagct tggaagtaga aaagggccag ttcattcttga tcatacaaat 120
tagggaatgc acccacaact gcaataccct caggcagtat gccaacattg aaatagaaaag 180
catctctaaa aagcactggt cctccatggg tgaagactgg tattaggaag tgcacacaca 240
atttttgggg atttggtgca acaggaacac gtggatttat gacactcaaa cctagacact 300
gcaaagttaa ctggttaaat tttttttttt tt                                     332
```

```
<210> 1612
<211> 546
<212> DNA
<213> Homo sapiens
```

<400> 1612						
aaacaacaag	acgcttgact	tgaagggaaa	actatctagg	attctttttt	gttttagagt	60
aatttatccc	tacttaaaga	cagattgccc	tacatgtaac	agctacgtac	aaaaaagtta	120
taaaattgtc	cttggtttta	caatgataaa	tgaaaaacat	taaaattctc	caattgaaca	180
aggatgcaa	ggatttttat	gttggtgttt	tttttttttg	ttaaaacagt	gagagcaaaa	240
taacttactg	gaatataaag	ataagagctg	aatgagcatg	ccactaatgg	agaaaggggg	300
tattttcaca	gaatcagtat	ttttccccat	cccgctctcca	cttgatgtca	atcaaaacat	360
accattggct	gttttagtta	aaaaaaaaaa	aatgcaatat	gcttggtgcac	atataccagt	420
tactttatgt	acaataaagg	aatgggggaag	ggggaaatga	aagaatagag	aaaactatac	480
ggtagtatgc	aggatgtggt	ggaaccaaatt	tgcatgtttc	taattgagaa	tgtaatcttg	540
gtcttt						546

```
<210> 1613
<211> 546
<212> DNA
<213> Homo sapiens
```

```
<400> 1613
cctactttgtt tgcagcttcc acacactgca cctacctact acctctcttc catgcttaac 60
tgggttttaga aaggttgagct atgcgtagaa gaactacttg ggatattcaa gtgctgtatt 120
tgaacgataaa gcctatagat aacagctctga agctgcaagg gagactttgt tagtactacta 180
ctataaacag qtaaacatacc tqtttqtact tgatatagtq catatgaaat gactgattta 240
```

<400> 1616						
ctgattaaaaa	catgtgtgtgag	ctgaaggcag	gcgatctgtgt	gacctgtcat	ctcgatggat	60
ctgaaacttc	tgaatgccat	tcatgccttc	gagggcagca	aagccttgca	ggggtaacct	120
ggaagtaccc	gtgacaaact	ggaggaactt	ggcacggtca	gcttatgtcga	aagaacgcaa	180
tgtctccag	aaccactgga	tctgaataga	gttgactgtg	tacttgtggt	attcagtgtt	240
gcatttcaga	tcatcgatgt	caatggtggg	cagtcctgat	ataagcagct	ctaactcctg	300

```
ctcagtgaag atggaaatga ggcgctttgg aatgatctca tagaagcctt ctaagaaagc 360
cgccaactgc ttgcggatgg ctctgtcat tctcatctgg cataccag 408
```

```
<210> 1617
<211> 378
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 56, 60, 64, 295, 344, 355
<223> n = A,T,C or G
```

```
<400> 1617
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc cagggnactn 60
ttanatctta ttcatacagc tgctgaacag ttcttttttc agagacatag ataccatcca 120
aaaatttcct gatataccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccttgoggat gtatttttca cccangaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttngatggg gaagngagca 360
tacacagacc tcatcttg 378
```

```
<210> 1618
<211> 334
<212> DNA
<213> Homo sapiens
```

```
<400> 1618
aaaatgttac acaaatttct ttatgatagg acttctcaga gcttttagca ttctaattgca 60
gagtggaaat gtgaatggca ggattcagta taatcagcac gtcccaactc tatctgaaca 120
cagaactctt gttctgcata tcatcgattt gcacaccctg gaacaacggt tggtagaaat 180
caacttggga aatgttgcac agcatgagtg atgaatacag ctaagttagg atcaaagtac 240
aggcgatatc cgttttactg cacttcactt tactgagctt catagatatt gtgcttttac 300
aaattgcacg tctgtagcaa tctacattg aaca 334
```

```
<210> 1619
<211> 394
<212> DNA
<213> Homo sapiens
```

```
<400> 1619
aaatacatat aagttatatt acatttcttc catatgaaac caattttattc tgctgagtgca 60
tttcacagat aaagggtgta cttacttgac ttcacatga caagaaaagg acaagttttt 120
ttaagcagca tctttatgaa ttttttatca gtggcagata ttttaatggg ctgcattttt 180
acaaattcct gatataattc ggagacctgt ggtacatttt tgctactctg gagatataaa 240
ttaaattagc atgatgtatt gccaaaggacc accacgtgga ttgtctacat tgtgatccat 300
gaggcactga gaggactcgg ccctcagata caactccctt gggtagatgc ccaggcagaa 360
cccagcaaat gtatatgcat ctctgggctc tgag 394
```

```
<210> 1620
<211> 490
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 22, 433, 477, 479
 <223> n = A,T,C or G

<400> 1620
 ccatccacga tgtcctctga cngtgtgagg atgtactggc ccttgtagta gttgatgaga 60
 ttgaggtact gcagagtgga gatgacatcc tccttcttga tgctggtgat ttcactaatc 120
 tcattgatgg tgatctgtgg cctctccccg ctctccgact tcagcccat caggatctcc 180
 aggatggtct gggaccagta gcttcgatag gataggaggc caaggctctga gaggggcttc 240
 tcaggggtcc ctgttttccc ttccactttg gagagtccat agctgaactc gatcagcagc 300
 ttgccgtagc cccggcgctg gtagggaggc agggtttaga tgcaggccac attgtagtct 360
 tccgttgatt ctttctcctt ggagaagtag cccacgatgt ggaagccctt acagtcatac 420
 tctgtcatga cgnagaagag gaaagggctc gtgtcatagt acagtgtctt atggtcnang 480
 aaacacttgg 490

<210> 1621
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 1621
 cgcataatgca ctcaaaatgc tctttgtaaa ggaaagccac aacatgtcca agggacctga 60
 ggcgacttgg aggttgagca aagtgcagtt tgtctacgac tcctcggaga aaacccactt 120
 caaagacgca gtcagtgtcg ggaagcacac agccaactcg caccacctct ctgccttggt 180
 ccccccgct gggaaagtcct atgagtgtca agctcaacaa accatttcac tggcctctag 240
 tga 243

<210> 1622
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 21, 55, 59, 60, 397, 442, 471
 <223> n = A,T,C or G

<400> 1622
 aaaaatgtaa caaacatctt natatctgac aataaaatct gaaatgctgt aactngggnn 60
 attaactgca ccatccaaat tcttgtgact tacgcatttt tgcccaattt aacctttctg 120
 atgttcccc tccccagac accataaatg cattgttaatt ttgaaaatat ctgccaaacta 180
 cacactgaaa attttaacct gatcaattga cataatataa aatctgtccc aaagcactga 240
 aacaagaaaa tctataccat catgctacag acgtacttag aaaacttaaa aggaagagta 300
 aatatcagct cagtgattta taatgaagct aataaaattc aggccagtat tcttaagtgt 360
 aatgaacatt atttgaacat tcaacacatg aaaggtnaac aaaggctatg aacttggtgt 420
 aacttaaaac gtttcagatg tngggagtct accagatgta attggattca ngtggatccc 480
 gtcg 484

<210> 1623
 <211> 278
 <212> DNA
 <213> Homo sapiens

```

<400> 1623
ccagttgcat ttcccttgca ggcttgagcc caagccagag ccttgaaaag gtattcaggt 60
tggtgccccaa aacctgaaa aaaactggcc ctggccctga accaaatacc ttgaaccctc 120
gtaaaactcca taccctgacc ccttggtttt ggatataccc aggtagaaca actctctctc 180
actgtctgtt gtgaggatac gctgtagccc actcattaag tacattctcc taataaatgc 240
tttggactga tcacctgaa aaaaaaaaaa aaaaaaaa 278

```

```

<210> 1624
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 164
<223> n = A,T,C or G

```

```

<400> 1624
aaaatgntca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
ttctgtaaaa aggagacca gggatgtaat gtttttaatg tttcagaagc ctaacttttt 120
acacagtggg tacatttcac atttcaactaa tggtgatatt tggntgatgg ttgagcagtt 180
gctgaaatac acatttagtg tatggaaata caagacagct aaagggctg 229

```

```

<210> 1625
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 62, 63, 367
<223> n = A,T,C or G

```

```

<400> 1625
ctgaaacggt aactcagagg gtcttttggg gcaagtagtt ttcagaaagc gtctgctctt 60
tnngacggta aggatcctct acaagggcac gtgcagatcc aggcgctgga gcgtcaggca 120
tgggcaccat tttcatgctt caactcaaac tccaggtggg agtgagctca acggtcacctc 180
attccacaaa acatgacagc aaattcatct tctaaaaaaa gttttgtttt gtttttacctc 240
attcaacagg aaaaaaaaaa agacacacac gatgaaattt acaaccagca gcatcatcca 300
tcacactgtc tgtactacca gatcctacac ttaaagctca gcattattgg tataaaaact 360
taagacngca ttagaattct taagaaaagg tgtaaaattt 400

```

```

<210> 1626
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 97, 156, 183, 273, 292, 303, 304, 311, 341, 343, 351
<223> n = A,T,C or G

```

```

<400> 1626
gccgctctgg accgtctcaa ggtgtttgac ggcacccac cgccttacga caagaaaaag 60

```



```
<210> 1627
<211> 584
<212> DNA
<213> Homo sapiens
```

<400> 1627						
cttgaagtc	agtgtttcca	cggctggata	cctgtgtgtc	tccataaaag	tctgtgcacc	60
aaggacgtta	aaggcatttt	attccagcgt	cttctagaga	gcttagtgta	tacagatgag	120
ggtgtccgct	gctgctttcc	ttcggaatcc	agtgcctcca	cagagattag	cctgtagctt	180
atatttgaca	ttcttcaactg	tctgttggtt	acctaccgta	gctttttacc	gttcaacttc	240
ccttccaaact	atgtccagat	gtgcaggctc	ctcctctctg	gactttctcc	aaaggcaactg	300
acctcggnc	tctactttgt	cccctcacct	ccacccctc	ctgtcaccgg	ccttgtgaca	360
ttcactcaga	gaagaccaca	ccaaggaggc	ggccgtctgc	ccaggagaga	acacggggag	420
gtttgtttgt	gtgaaaggaa	agtgtgccag	gctgtccctg	aaactgagtc	tgtggacact	480
gtggaagct	ttgaacaatt	gtgttttcgt	cacaggagtc	tttgtaatgc	ttgtacagtt	540
gatgtcgatg	ctcaactgctt	ctgctttttc	tttcttttta	tttt		584

```
<400> 1628
gcttgacgt acaataaccac ttctgctgtc acggtaaagt cgcgcacag aagactgaag 60
gagttgaaag accagtagac gctcctctac tctttgagac atcactggcc tataataaat 120
gggttaattt atgtaacaaa aaaaaaaaaa aaaaaaaaaa aaa 163
```

```
<210> 1629
<211> 390
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 21, 22, 60
<223> n = A,T,C or G
```

```
<400> 1629
aaaccttatc ctaggaggac nntttcacat tgcgtctaac ctcttctggt cctcttaatn 60
ttgggttggt aaattcttat tgcctttatt ccttgggttc tctaagttgt aatctcggag 120
ttaaataacag ctttagaacc cgcgcctccc aaaaaaaaaa aaaaaaactt ttgagaattt 180
ttttcaataa aatgttcatt gcataqaatg ggtctgtgac ttgctgcttc tacatctgca 240
```

```

cccaacatct ggcccccttc agaactotga gtggacagga tcaggatttg actcaggagg 300
attagaatgt gaagaatccg tgtttgaggg attcagttct ccaactgcct caaaggggtct 360
caagittgca taagtcacct cctggggccag                                     390

```

<210> 1630

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 61, 419

<223> n = A,T,C or G

<400> 1630

```

ccacatgggt gatgatgggt gcaaagttgg tagggccata gaggcgaact tggggcaggg 60
nttgcggtta ggcattccaca atgccctgga tgcoctgcaca gtaggggtta ctgggggtta 120
aattcaaggc aaattcatgc gagacctgcc agtcaggggg aacctggggc ccaaattccaa 180
atgcagggaa cagcttgtct gagtcatagt cctgaaccac gctgccaca ctccacagt 240
ccatcaggta ctcatcgacc cctgttgga ctcaggtagtg tagggagtca ggtgaggagg 300
ggtctccatt ggagccagtg aagtcacgc ccacagtga gttgatctga cagcctccca 360
tcacatagtc cagaaaggag tactctgttt ctaccgcaca aatcttgaca cggatagtnc 420
cagagttctt gtagcttttc tttttctgct gcttctcagg gtggatgcat tcaaactcag 480
ccgggactgc ctgcag                                     496

```

<210> 1631

<211> 310

<212> DNA

<213> Homo sapiens

<400> 1631

```

taaccgaacc ctggctacct acagctacaa agaagctttg aagcttgatg tctactgttt 60
tgaagcggtc gatcttttaa catcacatca catgctgaca gcacaagaag aaaaagaact 120
tcttgaatca ctacccttta gcaagctgtg taatgaagaa caggaattgc tgcgttttct 180
atttgagaac aaattgaaaa aatataataa gcttagtgaa acggtcatcc ctgaatctgt 240
agatggcttg caagagaatc tggatgtggg agtgtcttta gctgagagac attattataa 300
ctgtgatttt                                     310

```

<210> 1632

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 20

<223> n = A,T,C or G

<400> 1632

```

ccaggagcta agcttgagtn tcctttactg aatttcgttc ttagtgacag ttacttgtag 60
attctagtct tcacaggctc cctggggctc ttaactagtc acactgggag tcatgaatgt 120
ctttccaata attcagggaa ttctagagat cctcaaaactg taaggctctat tcataactcaa 180
cacaaggaaa aaacctcatt aaaattaatg actaatcagg aagcaacgta accaaaagca 240
cagtgaatga aagttttcat ggtagggttc acatgggttt attgctagaa agatccaggg 300

```

```

gatagcttta ggtttaactt cggtcacca acgtaacttt ctaatcattt atttcaagta 360
atagctagaa gtgggtctga atgttttccc agagtctgat acgtgttttt ttttgccaga 420
agagaggtct tcaggagact tcattt                                     446

```

<210> 1633

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 59, 60, 267

<223> n = A,T,C or G

<400> 1633

```

aaattaaaag tgccttacct ttacctaaat ggctagcaga catggagaac accacagtnn 60
tgaatccaca gagctttctc catgtagcta taacaatgtg ttgtcgaatg gcacactgtc 120
aaacactgga aaggggcgcc acaatggacc tctctctttt ataggaacga atgctagatt 180
caactatctc aactaagcag gaagtgggtt cttctgctag gaatgccaac cctaattcac 240
tttgtcttga aatatataca gattgtntgt agtagctaog gcaatgatat tttccttggg 300

```

<210> 1634

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 297, 301

<223> n = A,T,C or G

<400> 1634

```

acgggacccg ctatggggcc tccctccgga aaatgggtgaa gaaaattgaa atcagccagc 60
acgccaaagta cacttgctct ttctgtggca aaaccaagat gaagagacga gctgtgggga 120
tctggcactg tggttcctgc atgaagacag tggctggcgg tgctggacg tacaatacca 180
cttcgcgtgt cacggtaaag tccgccatca gaagactgaa ggagttgaaa gaccagtaga 240
cgctcctcta ctctttgaga catcaactggc ctataataaa tgggttaatt tatgtanaaa 300
naaaaaa                                     307

```

<210> 1635

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 19, 58, 325

<223> n = A,T,C or G

<400> 1635

```

cctgctcgct gggcagacnt accatgtggc tgtgggtctgc tacctgaggt ctcaggtnag 60
agccacctac catggaagtt tcagtacaaa gaaatctcag cccccacctc cacagccagc 120
aaggtcagct tctagttcaa ccatcaatct aatggtgagc acagaacctat tggctctcac 180

```

```

tgaacacagat atatgcaagt tgccgaaaga cgaaggaact tgcagggatt tcatattaaa 240
atggtactat gatccaaaca ccaaaagctg tgcaagattc tggatatggag gttgtggtgg 300
aaacgaaaac aaatttggat cacanaaaga atgtgaaaag gtttgcgctc ctgtgctcgc 360
caaaccgga gtcacagtg tgatgggaac ctaagcgtgg gtgg 404

```

```

<210> 1636
<211> 531
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 8
<223> n = A,T,C or G

```

```

<400> 1636
ngatgatncc ccaagcttgg taccgagctc ggatccacta gtaacggccg ccagtgtgct 60
ggaattcgcc cttagcgtgg tcgcggccga ggtccattcc agaggactct ttagtcatat 120
gcagcaacat gacattttag ataccctgtg taggaccatt gaatctacaa tccatgtcgt 180
cacaaggata tctggcaaag gaaaccaagc tgcttcttga cattaggtgt agcatgtcta 240
cttttaagtc cctcaccccc aacccccatg ctgtttgtat aagttttgct tatttgtttt 300
tgtgtcttcag tttgtccagt gctctctgct tgaatggcaa gatagattta taggcttaat 360
tcttggtcag gcagaactcc agatgaaaaa aacttgcatc ttcagtatac ttccataaagg 420
gcaatcagat aatggatatg ttttatgtaa ttaagagttc acttttagtgg ctttcattta 480
atatggctgt ctgggaagaa cagggttgcc tagccctgta caatgtaatt t 531

```

```

<210> 1637
<211> 610
<212> DNA
<213> Homo sapiens

```

```

<400> 1637
ccttgcaaaa agatggtggt gttgtctgaa ttatcctggt cggagtcatt acgtgatcct 60
tggtcccagag ggccttttagt gacatggaaa aaaagaacaa aaaaaaaaca aaaacaagga 120
aaagatgagc cgttagtcaa caggaaaaaa cggacaagga aaaaaattaa caccaaatcc 180
aaacttgtaa aatatcaagt aagtgtctac agcctcactc caaacccctt cctgggtcgc 240
ctgccagag gagaaaaattc taggcaggcc ccttaagatc tgtaacttga gtctccacag 300
agacaactcc aacttcaga aatgtctgcc tccccagct caggetggga aatgtcctca 360
gcacaggtgg caggggaaac ggagacccat taaagtgaac aaaccaactc agcttggccc 420
ggttctctca cccgagagaa gagagatggg ctgcgccacca gccatgcgat gtgcatccat 480
ccagtttctc ccaactttac caccagacac ttaacccttg tgaacaatt ttttaattct 540
ctttagaaac catccttaaa accgtgttgt ttccccgaaa ccacatgaaa ataaaaacca 600
tacataatag 610

```

```

<210> 1638
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<400> 1638
ccatcttctc taaaacccaa attgcatgtg cactgagaaa aatgttactg cttcaaaaca 60
acaaaaaatg ggaaaataac tgaagtctag aaacagattt tctccttcta gactcccagc 120
gggctcgccc agcagttcct tattcaaaat caatgtgtct ataataact ctagtatgtc 180
cacagttcac ccaaatgcca gatacattaa gactacaaaa tacaaacctt aaatgttccc 240

```

```
<210> 1639
<211> 408
<212> DNA
<213> Homo sapiens
```

```
<210> 1640
<211> 472
<212> DNA
<213> Homo sapiens
```

```
<210> 1641
<211> 520
<212> DNA
<213> Homo sapiens
```

```
<210> 1642
<211> 322
<212> DNA
<213> Homo sapiens
```

```

<400> 1642
ctgaacacaa gcaaacottc tcaggagggtg tctctaccc tcttattgtt cctcttacgc 60
tctgtcfaat gaaacottcc tcttgagggt cattttcctt tctgtattaa ttataccagt 120
gttaagtac atataaaga actttgcaca cttcaaatca gagcagtgat tctctcttct 180
ctcccccttt ccttcagagt gaatcatcca gactcctcat ggatagggtcg ggtgttaaag 240
ttgttttgat tatgtacctt ttgatagatc cacataaaaa gaaatgtgaa gttttctttt 300
actatctttt catttatcaa gc 322

```

```

<210> 1643
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<400> 1643
aaaattctga tctatgcata aaattcattt ttatatcacg gttaaattta gtacaaacta 60
taaaaatggt aacactgaag ttttcaacag aagtctatta agatgcctta gaaaaattaa 120
acaacagcaa gtcatttact gctatgagggt taatacataa agaaacattc acacatttta 180
ctgaaatttt cagtaaataa ctttagccat aacacttata attaaaagtt caaaagttgt 240
gtgtggctct acagcaatta taatttgcaa tgaaaacact aagccaaatc tttttgagct 300
gatcagaaca atcttagcta caaaattggc tgaaatttgc aaaccttaaa aagaacacca 360
attgtgaatg gaataggtat cataacttag cttaaagtgg aagatggtaa aaactcgatg 420
cttaagtctg aattgcacaa ggaaaatatt aggggaaaaa acactcagct attactgata 480
gctattactt t 491

```

```

<210> 1644
<211> 538
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 297
<223> n = A,T,C or G

```

```

<400> 1644
aaattattgt taaagaatac acaatttggg gtattgggat ttttctcctt ttctctgaga 60
cattccacca ttttaatttt tgtaactgct tatttatgtg aaaagggtta tttttactta 120
gcttagctat gtcagccaat ccgattgcct taggtgaaag aaaccaccga aatccccag 180
gtcccttggg caggagctc tcaagatttt tttgtcaga ggctccaaat agaaaataag 240
aaaagggttt cttcattcat ggctagagct agatttaact cagtttctag gcacctnaga 300
ccaatcatca actaccattc tattccatgt ttgcacctgt gcattttctg ttgccccca 360
ttcactttgt caggaaacct tggcctctgc taagggtgtat ttggctcttg agaagtggga 420
gcaccctaca gggacactat cactcatgct ggtggcattg tttacaagct agaaagctgc 480
actggtgcta atgccccttg gggaaatggg gctgtgagga ggaggattat aacttagg 538

```

```

<210> 1645
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 207
<223> n = A,T,C or G

```

```
<210> 1646
<211> 545
<212> DNA
<213> Homo sapiens
```

<400>	1646					
aaaaagaatt	ttttttgcc	tacaaactca	tgaaaagaaa	cttcaccatc	ttttctcaaa	60
accaaacccta	gcaggctcta	gatggaaaaa	gtccagaaag	caactcactt	gatatgatgg	120
aagacaacaa	aggcatgtgg	tgataggctc	tccgttatcc	aagggaagcc	agcaatatgc	180
gggcagggtca	ctggtgatgg	gctaggcatg	tccaataata	aacgagactc	agggaatcag	240
agaatcacag	gatttgaagg	gactttaaga	atgatgatca	aattcatccc	tcaagccttt	300
aanctccctt	tcaacatctc	tggcaaaggc	tctacactgt	gtgttaaaaa	aattcccttg	360
tatgggacat	gcaaggaaga	catcccattc	caatttagga	ccgatctaata	ttttagacac	420
tgctttcatg	tgttaaacct	aagtaggctt	cttgggtgga	aggagataat	gcttaaaaggc	480
aaaaatacaa	gccacaaccc	tggagggttg	acgtggttct	tgtttaagaa	actgagctga	540
agttt						545

```
<210> 1647
<211> 308
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 180, 206, 273  
<223> n = A,T,C or G
```

```
<400> 1647
ctgaggttgt cagtacaatg aaaccaaact ggcggggatgg aagcagatta ttctgccatt 60
tttccaggtc tttgagttgc acgtcaaatac tggggctgat caccocacac ttgtttagcc 120
tgctgtgag gttcacaca attttcccag ctctgtggtc atcaatgatt tcaaattcgn 180
caatgtagcc atgttccatc atcacngtga gaaaccggac gatgactttg gagcaaggcc 240
taataagcac ctggcggttg cctctctttt ggngcattgt tgatactctt gagagcagct 300
gccaggac                                     308
```

```
<210> 1648
<211> 144
<212> DNA
<213> Homo sapiens
```

```

<400> 1648
gttccttagac atgatcccaa aggcataatc cacagaagaa tccataaaaag aaaaatttgt 60
aaattggact ttatcaaaat taaaaactta cttttttgag atgggggtcat gctgtgttgt 120
ccaggctgga gtgtggttgt aagt 144

```

```

<210> 1649
<211> 517
<212> DNA
<213> Homo sapiens

```

```

<400> 1649
aaaaggagaa aaaaaaaacc tatacagtag tttttcctta tgttcattgc aaaaaatgag 60
ttctgctttt agaactttga cactcaatgg ttaattttac aatttaagat tccaacttta 120
taaccttttt tctactccaa aacacccttg taaagttttt ctttaggatg gtgtaaaaac 180
cagcatttct gcacaattca ctggaatttt tttctttgta ataaaaatct cttctctgta 240
aaaccaaaaa caaaacaaaa caaaacaaaa agaaaagtcc tctacctatc 300
atggtttctg cagctatgca tgtattttctg ttttatagct gctttatagc tacttcagac 360
tccagatctg ctttaatgtg tataactgca tccacacgca gcagaatact cttacaatag 420
caacttgggg aaagagatct ggaaaaaaa atacatgagt accaggaaac aaacacggcc 480
cagtaaaata tgaggcaaaa atgcctacaa tgagatg 517

```

```

<210> 1650
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<400> 1650
aaatgggtaa agccatttac ataatataga aagatatgca tatatctaga aggtatgtgg 60
catttatttg gataaaattc tcaattcaga gaaatcatct gatgtttcta tagtcacttt 120
gccagctcaa aagaaaacaa taccctatgt agttgtggaa gtttatgcta atattgtgta 180
actgatatta aacctaattg ttctgcctac cctgttggtg taaagatatt ttgagcagac 240
tgtaaacaaag aaaaaaaaaa tcatgcattc ttagcaaaat tgccatgtat gtttaatttg 300
tcaaaatata atgtttgatt ttatgcactt tgtcgctatt aacatccttt ttttcatgta 360
gatttcaata attgagtaat tttagaagca ttattttagg aatatatagg 410

```

```

<210> 1651
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 14, 47
<223> n = A,T,C or G

```

```

<400> 1651
ctgcaccatt tttnggatca tcttgatata ctgcatgggc attgggnaaa tcttcagctt 60
cttacagcac aggcgtagta catttttctt tcgcttcaact ttctcaatga ggtaggagaa 120
caattcatca caggcacctt ccttgaggaa caggtctacg agcacctcta ctggaatgaa 180
gggctgctct gctctgtgct tcaaaccatc tacttttcgc ttctttgtca tgggctgagc 240
tgcttctggc tctggaatg agtacagact ggccctgttt ccagaccata cagtccagaa 300
gtcctgatga gagttcttcc gtaaattccag cacttgaaagt ttccacctcc tggggcgaa 360
ctcctgggca aggagcacat caagtccatc aagcacagct ttgaaggctt ccagggtgaa 420

```


atgttggtccc ttcatcagca ctcccagagg gaggcaggtg aagggccagg

470

<210> 1652

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 58

<223> n = A,T,C or G

<400> 1652

```
gtttcttttag attcaagagt ttgcgccacct ccgcagcaac ctccggggttg tctgcctnaa 60
gtgcttttcag ttctcggaca atgtttcctt gttttgtcac ttcatccatc agcgcttgta 120
tctgctgtgg cttggctgtt gtaacagtct ctacaactgc tggcttcggg gacgtttttg 180
cctggagaac aacaaagtta tcaccagcaa ccataaatat ccctaacct ccagttttat 240
acagcatctc agagggaag tggttacctt taagtogaag gtctcttcta gttaagacag 300
gaaagaaaaa ctgtaagtga ggaagcggca gggccaaaag atggaaagag tgatgggtga 360
ggactactta gggaaattag ggaagtgatg ctgtggctgt tgtggagcga gggcacagcc 420
tttagctttc tcacctggcc ccctccaaag cgctgcctta aactttcaat ctgggtcattt 480
tccaattttt ggaacaaggg actgactgtg ccaatctggg gtctctgctg taaggtacac 540
aggaagtttg tcagcaggat actgcaggct ggaggtggga gctgcag 587
```

<210> 1653

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 23, 25, 26, 239

<223> n = A,T,C or G

<400> 1653

```
acactccaga atatatggaa aanannaaac agcgtttggt tgaaaatttg cgcattgttac 60
ctcatgcacc tgggtgtccag atgcaagcta ttccagaaga tgctgttcat gaagacagtg 120
gagatgaaga tggagaagat ccagacaaga gaattttctat tcgagcatca gacaagcgga 180
tagcttgtga tgaagaattc tcagattctg aggatgaagg agaaggaggt cgaagaaang 240
tggctgatca taagaaagga gcaaagaaag c 271
```

<210> 1654

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 83, 88, 91, 130, 157, 178, 185

<223> n = A,T,C or G

<400> 1654

```
gcaccatccg tctacttacc tcccttcggg ccaagcacac ccaggagaac tgtgagacct 60
ggggtgtaaa tggcgagacg ggnacttngg nggacatgaa ggaactgggc atatgggagc 120
```

```
cattggctgn gaagctgcag actcataaga cagcagngga gacggcagcc ctgctacngc 180
gaatngatga c 191
```

```
<210> 1655
<211> 82
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 21, 33, 36, 66, 75
<223> n = A,T,C or G
```

```
<400> 1655
gcctcttcat tcctctccca ncataacaat cgnggnaaca gaatgcgact gctgatttac 60
cgatgnattt aatgnaagta aa 82
```

```
<210> 1656
<211> 288
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 11, 46, 48
<223> n = A,T,C or G
```

```
<400> 1656
aaaatccttt naaaactgtt tattatacaa gtgagttttg agtgtntnat gggcttatcg 60
gtaggatttc tggtagcgag cgcgggcacc aggacctcca aactttttgg actcgcagcg 120
acgagggtca gctaccagca gggtcgggtc atactggatg aggatgtctt tgatctcctt 180
cttgaagcc tcatccacat atttctggta ataggccacc agggctttgg agatggactg 240
acggatagca taaatctggg ccacgtgacc accacctttt acacggac 288
```

```
<210> 1657
<211> 418
<212> DNA
<213> Homo sapiens
```

```
<400> 1657
atcttattca tcagcctgct gaacagttcc tttttcagag acatagatac catccaaaaa 60
tttcctgata tccttgtttt taactgttgt ggcttgctga atcaaagccg ctgaatttga 120
aacaagctca atgtcatttc cttcaaggat taattcatct ttctgggctt gagatactga 180
acaagcaaca cctggtctca tccgaacctt gcggatgtat ttttcaccca agaaatktcg 240
gatttcaaca agagacctat tctcctggat aacaacgttg atggggaagt gagcatacac 300
agacctcatc ttgtaacgga agcccagtgt aacacctttg atcatgttct gtacatgact 360
acaaatagtc cgaacggtag tcagttcctt tctgttacc caccatttgt caaccggg 418
```

```
<210> 1658
<211> 352
<212> DNA
<213> Homo sapiens
```

```
<220>
```

<221> misc_feature

<222> 37, 39

<223> n = A,T,C or G

<400> 1658

```
acaggccact gttggtgaaga tctaaagcat gcagtangna aacaaaattg ataaatattg 60
agtgtgagta attgggattg gggagattgt ggcaaactag aggggaagtg cccattgtaa 120
aaacacatcc acagacagtc caggcactaa ggctgaatgg gatcagggtg tccagaaatc 180
tcaggatctc cagggccatg ttactgttag gtcaagggtc ctggtgcagc aacgaatgta 240
gtttttctag attcctctcc ctccctgggc tctttaccta atgtctttgc ggcacaggcg 300
gtaaccctgg gagtaaagag gtgtggtcca aggaagtagc ttttgtgacc ag 352
```

<210> 1659

<211> 579

<212> DNA

<213> Homo sapiens

<400> 1659

```
cattgtgtca aagagtgtgc caatctatct ttgtttcagc attggaagtg cactttcccc 60
tggtggcgtg ggggtgtgtg atgtgcaagt gtctgagaga tactgcatca gccctagacc 120
cccagagcca gtcccgccct ttacagagca gcccttagcc tggggccatg ggtcaggctg 180
accttcaaca attatttcta gatgatttct ggataagaat tgctctctcg gtaccagaca 240
gtttgacatc ctccaccctt agaaaatgac tgacattgtt ttgttactgc tctaccacac 300
caaggggata aagaaggcga gttctgagtg ttggatgagt cagtcgcgtg gaaggacgtg 360
gagcgtggcg ctctgttaact tcttgccgtc tgccaccocg ccacgtgtat ttaaccctcg 420
cactttctcc actgtggaga tggctggggc ggcgccccac agtgtgtatt cctgtcctct 480
atgttagagt gcacagaag cacatttact gtgctatcta tatctctata taaaagtgtt 540
ttataaaaaa ccagaatagg agcacgacgc atgattggt 579
```

<210> 1660

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 46, 49, 58, 61

<223> n = A,T,C or G

<400> 1660

```
ctggcccaca gccnccctc tcccaggccc gagatgtgac ccacngtnt cttctgtnaa 60
ntcgtagct ttaatcaatc atgccctgcc ttgtccctct cactccccag cccaccct 120
aagtgcccaa agtggggagg gacaagggat tctgggaagc ttgagcctcc cccaaagcaa 180
tgtgagtcce agagcccgct tttgttcttc cccacaattc cattactaag gaaacacatc 240
aaataaactg actttttccc cccaaaaaa 269
```

<210> 1661

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16

<223> n = A,T,C or G

<400> 1661

```
ccaggctggt ctcagnactc ctgacctcaa gtgatctgct tgcttcagcc tcccgaagtg 60
ctgtgatcgt aggtgtgagc cactgtgccc agctacctca tcaattctta atctataaac 120
catggatagg cttcgggaga acccaagaac caatgaaatc tgttggtaag ttttatgtgt 180
gcggttttct acagagaggg tcaacagcat gtatattttc aaagaagtct gtggtgcaaa 240
agagagttta ttgttagaag tccttgggca atcaacttgg aaaaggggtg attgagaatg 300
ggggctgtct agatcaggat aatgttgaat ttgacctca cttgaggctt ttgtacagag 360
gatgagaaga cggtaaattc aag                                     383
```

<210> 1662

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 27

<223> n = A,T,C or G

<400> 1662

```
ccaagtcaaa atngggccca gogtctntct ttctgtctta tgacagacca gcctccagcc 60
ttggtgtggt atctacatgt agccctgcgt accctgcttc tttttagcat tcaaggccca 120
ctcagggcct caaattagcc aatgggtgaat atggatatag gacttttaga gggatgcagg 180
ttgagttgta cataaacttag aggtgaagtg caggtcogaa acagggctag actttggaga 240
actgtaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaactt 300
accttcttct gcaggctact tctggaaatc cctaggactt accagcttct tgaacacttg 360
cgcatcatg                                     369
```

<210> 1663

<211> 304

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16

<223> n = A,T,C or G

<400> 1663

```
acgtttttgt acagгнаата aaattttaag aattctttaag tctaaggagc ttgctcctga 60
tcttcctgaa gatctctacc atttaattaa gaaagcagtt gctgttcgaa agcatcttga 120
gaggaacaga aaggataagg atgctaaatt ccgtctgatt ctaatagaga gccggattca 180
ccgtttggct cgatattata agaccaagcg agtccctccc cccaattgga aatatgaatc 240
atctacagcc tctgccctgg tcgcataaat ttgtctgtgt actcaagcaa taaaatgatt 300
gttt                                     304
```

<210> 1664

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 16, 78, 239, 306, 336
 <223> n = A,T,C or G

<400> 1664
 aaaaagtatt ctagcncaag atttttctgt aaactagatt atgttgtaaa cttttttcta 60
 aatctttagtag gagtgtcngt tgtaagaac tagagcttat tcctattcca aatctatctt 120
 gcgctcctga aaaactgcag aaaggcactt gaaagctgtt tctttaagat atggatttct 180
 tttttattct tgctggtaat atattgctgc actgagtgtg tgcaattttt attcaaggnc 240
 atcgtgatgc tgagaagttt cgttgataac ctgtccatct ctagtttcaa cccgcttaat 300
 cagaangtgc cctttttgag tgggtatcaa ccagangggag tgaaaccaga ttagttctaa 360
 a 361

<210> 1665
 <211> 176
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38, 170
 <223> n = A,T,C or G

<400> 1665
 aaaatggttt ctataaaggg ttttattgta tgaaatanaa ctttatattt ttgcatatgt 60
 atagatagta attatattta atgtataact atagcattat ggtgagtgga atttgacatt 120
 gtccaaacct ttttcatitt tgagtgatta aaaatgaaat gtcctttgtt aaaaaa 176

<210> 1666
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 208, 213, 358
 <223> n = A,T,C or G

<400> 1666
 ccttcacagc gctcctgtac cctttaattg tgtgtctttc tcacagctat ccgtcagtc 60
 atctccaaag ccccggtggc ctattaccag aaatgtgagt gagcatgggt ccttcccatg 120
 aggtaggtgg gtgtgtgggg atcaagtcaa ggactctgtg tgattatcta aatcctcgtc 180
 cctgctcttc ttgccagatg tggatgangc ttncagaag gagatcaaag acatcctcat 240
 ccagtatgac cggaccctgc tggtagctga cctcgtcgcc tgcgagtcga aaaagtttgg 300
 aggccctggt gccgcgctc gctaccagaa atcctaccga taagcccat cgtgactnaa 360
 aactcacttg tataataaac agtttttgag ggatttt 397

<210> 1667
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 1667
 ctgggtgctgc tgggaggcca gcctggaaga ggcagcagtg gctcaagttt gcgtgcagga 60

```
gccagagtgg gacccacggg ctcttgtggg tgtggttttag aactagatgg tgctttgggg 120
acaagccatc caaaaacccc aggccacat ccacctgat ttgatatccc acttcctgac 180
agatcagagg ctgtgtcttt aggcagtggg ggtccaggag cagagcctgg ggctggttca 240
cagctaaacc cctccttagg gcagcccaga gtagggcctc ag 282
```

<210> 1668

<211> 308

<212> DNA

<213> Homo sapiens

<400> 1668

```
ctggttccat agactacatt agtgtgtttg atgtcaaato aggcagcgct gttcataaga 60
tgattgtgga caggcagtat atgggcgtgt ctaagcggaa gtgcatcgtg tgggggtgctg 120
ccttcttgtc cgatggcaact atcataagtg tggactctgc tgggaagggtg cagttctggg 180
actcagccac tgggacgctt gtgaagagcc atctcatcgc taatgctgac gtgcagtcga 240
ttgctgtagc tgaccaagaa gacagtttcg tgggtgggcac agccgagggg acagtcttcc 300
attttcag 308
```

<210> 1669

<211> 472

<212> DNA

<213> Homo sapiens

<400> 1669

```
cggccatctt agcggctgct gttggttggg ggccgtscgg ctcttaakgc aggaagatgg 60
tggccgcaaa gaagacgaaa aagtcgctgg agtcgatcaa ctctaggctc caactcgtta 120
tgaaaagtgg gaagtacgtc ctggggtaca agcagactct gaagatgatc agacaaggca 180
aagygaaatt ggtcattctc gctaacaact gccagctttt gaggaaatct gaaatacgag 240
tactatgcta tgttggctaa aactggtgtc catcactaca gtggcaataa tattgaactg 300
ggcacagcat gcggaaaata ctacagagtg tgcacaactg ctatcattga tccaggtgac 360
tctgacatca ttagaagcat gccagaacag actggtgaaa agtaaacctt ttcacctaca 420
aaatttcacc tgcaaacctt aaacctgcaa aatttttcct taataaaatt tg 472
```

<210> 1670

<211> 164

<212> DNA

<213> Homo sapiens

<400> 1670

```
gttcttagac atgatcccaa aggcataatc cacagaagaa tccataaaaag aaaaatttgt 60
aaattggact ttatcaaaat taaaaactta cttttttgag atgggggtcat gctgtgttgt 120
ccaggctgga gtgtggtggt aagtcatagt tcaactgcagc ctcg 164
```

<210> 1671

<211> 445

<212> DNA

<213> Homo sapiens

<400> 1671

```
aaaaaataaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatTTaa ggttcattta caacgggcat ttggcgctga 180
cagaaaaagt ctttctatgt atacattcaa cattttgcag catatttaca ttcaagttac 240
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300
```

```
taaaatcctg tttatttggg aggagtgcaa tattatctta ttaggaaata attttatgtt 360
cctactaagt caactgcatt tttactactt taacaaaatt cactgacatt tttatcccag 420
ttgaagtcaa gcctctttta gacat 445
```

<210> 1672

<211> 292

<212> DNA

<213> Homo sapiens

<400> 1672

```
ccttgaacac ggattatccc caaacccttg tcatttcccc cagtgaagctc tgattttctag 60
actgctttga aaatgctgta ttcatttttg taacttagta tttgggtacc ctgctctttg 120
gctgttcttt ttttggagcc cttctcagtc aagtctgccg gatgtctttc ttacacctacc 180
cctcagtttt ccttaaaacg cgcacacaac tctagagagt gttaagaata atgttacttg 240
gttaatgtgt tatttattga gtattgtttg tgctaagcat tgtgttagat tt 292
```

<210> 1673

<211> 130

<212> DNA

<213> Homo sapiens

<400> 1673

```
ccacagctaa catcattgca gcacctttac tccttcggct ttttgccagc accaacattg 60
gcctttgcag tccccctgac tttcttcatt ctgttctttg gttcctttcg ttgctttctt 120
gaggtctttt 130
```

<210> 1674

<211> 611

<212> DNA

<213> Homo sapiens

<400> 1674

```
aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcacccoga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaagggaaac tatgtggcaa gtacctctt tcccttccca ccccccaatt aaaggcaaac 300
aatggcactt tgctcttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaagtctta aacaaaagac aacatatatt atatcaaaca agtttgaaga gccctgaatt 480
gcagcattct gtaacataaa caaacaaaaa gctggtatag gatttattgt caaaggcaga 540
atctcttcag gcaggtaagt aaggaggtgg tggttctttt tcaggcattt tcacggccat 600
ttcataggtt g 611
```

<210> 1675

<211> 558

<212> DNA

<213> Homo sapiens

<400> 1675

```
aaaaatatat ggtcaggagg agactttaca gtttctcttt acaaacggta tataatggga 60
gaaatggcct tgtggcagag gacagtccca gacagcagcc ttgccacagc tcaagtagac 120
acagtcctta ctaagtctcc acgaagagca gtagctgggg agggcttctg atgctcttat 180
ttacaatccc acaatcactg ctctccttca agtctagcag tcccactgta tattgcaact 240
```

```

tgatcgtact aaagaccgac agcaaaggat acagccagtc tcgcctctgt gaagtgttgc 300
agagaacctg gagagtgcta atgaaaagct gttttaccaa aaagttgcc a cgggcaacct 360
catatactta ggcttatgtt tagaaagagc aaggggtgcta ctggtagaca cttgaaattc 420
gaagtgtttt ttgtgaataa aatgtgttta tggtaactta gggaaaagtc gtagtaggac 480
agcaaacatg tggttctaca tgtacatgaa gttagacaag ctgactcccc tcctagaaag 540
cctacctttc aggcacat                                     558

```

<210> 1676

<211> 498

<212> DNA

<213> Homo sapiens

<400> 1676

```

aaattgtatt gaacagggca tataaaatgc attctgtacc ctgatctggc atatagcttc 60
aaaactgcag tggcgagtgt ccactctcta gttagctacc ttaactgtcc acccttacta 120
cctgtgggat cggtgcctgg ttgtcttct ctgtgtcctg gagcaaagcc agttcctaaa 180
actaaaactc cattctagtc ttgggaagaa aagtttctac tcagaactgg ggaaggagtg 240
gaacttatga cttgggcctc taggctgtct ctgtccctc agctccccga catgcattta 300
ctctctgccg tgggtctgca gtcgctgcaa cctaccctct ctctgectca gccttacacc 360
caagcagtag gtctgtgtct tccctgtctc taggtcgtct agagaggtgc ttttcttcat 420
aaaacctttg gggtttgat ttccccagga agatggagaa tgggaatactc actcttgggt 480
ctaattcttc cccttgac                                     498

```

<210> 1677

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 19, 221, 282

<223> n = A,T,C or G

<400> 1677

```

aaaatggaaa catcaattnt attaacaatt tacggcaata gacatttaca gaacaaaaat 60
aagacagttc caagacaaaag gagtgtaaaa gtacagcaca cagggttaata ctcttcaccc 120
tcctcctctc cgtcagcact atctgtctca acctcctcat aatccttctc aagggcagcc 180
atgtcctcac gggcctctga aaactcgcct tcctccatcc nctcaccac gtaccagtga 240
acaaaggcac gcttggcata catcaggtca aacttgtggt cnaggcgagc ccagg 295

```

<210> 1678

<211> 136

<212> DNA

<213> Homo sapiens

<400> 1678

```

gtgaagaagg cagctctcac tcaggcaaag agccaaagga cgaaacaaag tacagtcttc 60
gccccagtca ttgacctgaa gcgaggtggc tcctcagatg accggcaaat tgtggacact 120
ccaccgcatg tagcag                                     136

```

<210> 1679

<211> 409

<212> DNA

<213> Homo sapiens


```

<400> 1679
ccaggtctggt tttgaactcc tgacctcgtg atccacccgc ctcagcctcc caaagtgctg 60
ggattacagg cgtgagccac cgcgcccggc aagaattcaa agttaaaaca ggttaccact 120
ttcacctatt accatcaggt tgcttatttt tgttttatgt tttttatttg tatgcatggt 180
tacttttatgt ttcagtttac taccocctaa ggcagcaaga gagcaggaag ataagcaaaa 240
tagagatggt tttgacaact tggcactgag agactatcct aagggaataa tctgaaatac 300
ataaaaacat tttattcaca aaattgggtc tccacagcatt atttacaata ctgaaaatct 360
ggaaatagcc taaatttcta acaattgaaa gaagggttaag taaattata 409

```

<210> 1680

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 351

<223> n = A,T,C or G

```

<400> 1680
aaaaccttta gcatttctgc ctataatatt tgggttttct tcttttctta tctttatttg 60
ataagtccca tcaaataatt tccccataat cacaatgttt tcttttccact ttgctcaaga 120
actgagttat gagctccaaa tttggacaaa ctctacattg gctaagtttt agtcatttgc 180
actgctaaga aagatgacaa ttcagcatgc tgaagatgac ttcctccctt ataaaggggc 240
taacacagag ggcaatactg ttcattgctc tgattcttga tcacaagaat tgctttaggc 300
aattacaatc atgtctcctc tgacacatca tattattcaa gtgagacaga naaagaagat 360
gtcctatgtc acacag 376

```

<210> 1681

<211> 446

<212> DNA

<213> Homo sapiens

```

<400> 1681
ctggcattcc ttcgacttct ctccagccga gcttcccaga acatcacata tcaactgcaa 60
aatagcattg catacatgga tcaggccagt ggaaatgtaa agaaggccct gaagotgatg 120
gggtcaaatt aaggtgaatt caaggctgaa ggaaatagca aattcaccta cacagttctg 180
gaggatgggt gcacgaaaca cactggggaa tggagcaaaa cagtctttga atatgaaca 240
cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg tggctctgat 300
caagaatttg gtgtggacgt tggccctggt tgctttttat aaaccaaact ctatctgaaa 360
tccaacaaaa aaaaatttaa ctccatatgt gttcctcttg ttctaattct gtcaccagat 420
gcaagtgacc gacaaaattc cagttc 446

```

<210> 1682

<211> 454

<212> DNA

<213> Homo sapiens

<400> 1682

```

ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240

```

```

ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttcagct ttttaccaga acggogatca atcttttctc tcagctcagc aaacttgcat 360
gcaatgtgag cctgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccag 454

```

```

<210> 1683
<211> 589
<212> DNA
<213> Homo sapiens

```

```

<400> 1683
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcacagcc tgctgaacag ttcttttttc agagacatag ataccatcca 120
aaaatttctt gatattcttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaacaagc ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa cctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cttttctgtt accccaccat ttgtcaacct 480
ggagcctctt tttttctttt ccaagaaggc tgagttctac attgatgtga ttgaagtccc 540
tccgcagggt tcctctgggg cccttcacga taactgtgag tcccttcag 589

```

```

<210> 1684
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<400> 1684
aaaaaataaa attataaaca aaatacagaa aaatatggac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatTTaa ggttcattta caacgggcat ttggcgtcga 180
cagaaaaagt ctttctatgt atacattcaa cattttgcag catatttaca ttcaagttac 240
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300
taaaatcctg tttatttggg aggagtgcac tattatctta ttaggaaata attttatgtt 360
cctactaagt caacttgcat ttttactact ttaacaaaat tcaactgacat ttttatccca 420
gttgaagtca agcctctttt agacaaagtc aatactaact 460

```

```

<210> 1685
<211> 362
<212> DNA
<213> Homo sapiens

```

```

<400> 1685
aaaaagtaaa cacatgcctt ttgataaagc ggaattgagg tgatcagaaa ttctgttgag 60
aaccagcta tttgtgtgag tatatttttag ctatcccaaa aactttttct gacctttctc 120
tttctgggat aggatatgtg tgcttagagt atcattcaga aggttaccta atagttaatc 180
tgtaaattag ttacatcagg tttcaaatac taggtcagtg atatgagagc gagagagaga 240
gatttgaatt gtcaaatgta ttgtcagatg cattcacaag agcaggactg cttatctgtt 300
ttgttcacta ctgtacccct agcatctaaa tgaataccta gcccatagaa taaaccact 360
gg 362

```

```

<210> 1686
<211> 273
<212> DNA

```

<213> Homo sapiens

<400> 1686

```
gagagcgagc tgagtgggtg tgtgggtcgcg tctcggaacc ggtagcgctt gcagcatggc 60
tgaccaactg actgaagagc agattgcaga attcaaagaa gctttttcac tatttgacaa 120
agatgggtgat ggaactataa caacaaagga attgggaact gtaatgagat ctcttgggca 180
gaatcccaca gaagcagagt tacaggacat gattaatgaa gtagatgctg atggtaatgg 240
acaattgctt cctgaatttc tgcaatgatg gaa 273
```

<210> 1687

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1687

```
aaactccact gctgaccctg agtgcattcg ctatcccctc acctattttg ttttgggaca 60
aagtctcgct ctgtcaccca ggctggagtg cagtggggca ctctcagctc actgtaacct 120
ccacctcctg ggttcaagcg attctcatgc ctacagcctgc caaatagctg ggattacagg 180
cacatgccac aaagcccggc taattttttat attttttagt agagatgggg tttcaccatg 240
tcggccagcc tggctctggaa ctctggcat caagtgatct acctgccttg gctcccaaa 300
gtgttgggat tacaggtgtg agccaccacg cccggcccaa gccagaggtc ttgtaagggg 360
actcatccca tcatgagggt cctaccctcg tgacctcctc taaacttccc ttaccaaagg 420
ccccatctca aataccatca cattgagggt taaggctcca 460
```

<210> 1688

<211> 390

<212> DNA

<213> Homo sapiens

<400> 1688

```
aaacacattt tcacaagttt ttgagacact ggatttcttt aattaaaaaa aaaatgccaa 60
gaaacattat ttatacaggg ttgattgctt tcatgttggt attctgtacc ctatagtagc 120
ctccatgaga atctggtatt tcttgcgtgt tggaaactact ttgcagtgat tacttggttg 180
cagtcceaagt actctcgttt agtctgagcc tggagatggt ctgacttgc ttctcccacc 240
tctgagatta ggacaggaaa aatgtgaaat ttcccaatta caggattata cggtagcatc 300
acatcatttg tggaaattgg ggtgactgta tagctgggat tgggctaagg actgtggtct 360
tatctgtcca catacagcca aaatgcctat 390
```

<210> 1689

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1689

```
aaaaatcatt gtccacaaaa attttcagga ctttggagtt ctcaaaaaaa aaatgtgtgt 60
gtgtgtgtgt gtgtgtttta aacttccag cagttaaaaa ttaagaacac atatggataa 120
tcattgggtg acgctatta taataaacag aaggaccaca aaaattaaaa caagttctaa 180
gaaccatcat atatacaaat ttctgtacag aatgaggaca aaaacaattc acccaattaa 240
aaccagctct tgtggtacac atactctttt tcagaaaaga acgaacactt atcttctctg 300
attcatttgt ttttccattt gattcagtat tottaatgct gtttccccc cataaattag 360
taactgttca atagctgaga aatatcctat tttcaattat gcaggggaaa tcaggagctt 420
```

<210> 1690

<211> 437
 <212> DNA
 <213> Homo sapiens

<400> 1690
 cttgaagtcc agtgtttcca cggctggata cctgtgtgtc tccataaaaag tccgtgcacc 60
 aaggacgtta aaggcatttt attccagcgt cttctagaga gcttagtgta tacagatgag 120
 ggtgtccgct gctgctttcc ttcggaatcc agtgcttcca cagagattag cctgtagctt 180
 atatttgaca ttcttcaactg tctgttggtt acctaccgta gctttttacc gttcacttcc 240
 ccttccaact atgtccagat gtgcaggetc ctctctctctg gactttctcc aaaggcactg 300
 acctcggcc tctactttgt cccctcacct ccacccctc ctgtcacccg ccttgtgaca 360
 ttactcaga gaagaccaca ccaaggaggc ggccgctggc ccaggagaga acacggggag 420
 gttgtttgt gtgaaag 437

<210> 1691
 <211> 488
 <212> DNA
 <213> Homo sapiens

<400> 1691
 ctcaagtgtcc aagtcacacag ccaaattctg gaagatatcc atgtgtgctg agtgagtgat 60
 ggtgtctcatt gaaggtcgt atctcttttt gaatgcaatt gcaaatacag tccggtaccc 120
 aaatagccac actcactact tcagttgcac catgctgtac ctttttgcag aggccaatac 180
 ggaagccatc caagaacaga tcacaagagt tctcttggaa cggttgattg taaataggcc 240
 acatccttgg ggtcttctta ttaccttcat tgagctgatt aaaaaccag cgtttaagtt 300
 ctggaaccat gaatttgtac actgtgcccc agaaatcgaa aagttattcc agtcggtcgc 360
 acagtgtctg atgggacaga agcaggccca gcaagtaatg gaaggacag gtgccagtta 420
 gacgaaactg catctctgtt gtaogtgtca gtctagaggt ctcaactgcac cgagttcata 480
 aactgact 488

<210> 1692
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 1692
 aaaaggtatt ttgaatacca ttaaaactgc tttttttttt ccagcaagta tccaaccaac 60
 ttgtttctgc ttcaataaat ctttggaata a 91

<210> 1693
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 1693
 cctggccgga atactgatat tctgtgccat gttgtctttt gactgacatc acccagttgg 60
 taaacttcac tatcccttga tcgccacatc tcattagttg ctagagaaaa tattgtgact 120
 ggattttttc cttccacctg tctcaagaca gggctcctgac ccactcgccc aagtaagtgc 180
 acacgattca gggatctttc aagaacccaa ctggtagttg ttctggactc atgtcttaca 240
 aactgacgaa gtacctgtaa tacaggctctt cgaaacatgg cttctatttt cttttcttac 300
 agtctaactc ttaggctttt cacagaaaaca cctcccgacc cacgcaggat cacgcgcagc 360
 caaaacacac gactccagca cttccttcgc gctggc 396

<210> 1694

<211> 443
 <212> DNA
 <213> Homo sapiens

<400> 1694
 aaatggtgtc tttctatggt gccaggggtg gtctcaaact cctgtgctca agtgaccctc 60
 ccacctcatt ctcaagtggc tgcaattaca ggcaaccagc ctgacttaaa acagtatctt 120
 aaggtagatg gtgattagca catgtagtat gcttaacatt taatattata ataagacatc 180
 acagcggctg tctcatgatt aaggctgtgt tcccttggtg gtgaggaaat taattatgac 240
 ttgataaata gaacatgttt taagaagtgg ctatatagct ctggataaaa cgaacaaaag 300
 aattagaatt cctgcgggga atatatacaa gactttatct agtcaagtaa aaaaaaatca 360
 ctaatgttta actgaagaaa gagaaattga ataatatagt tctatttcaa catgtggggt 420
 cacagattta ttctaaccct cca 443

<210> 1695
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 330
 <223> n = A,T,C or G

<400> 1695
 ccacttacct tacccttacc ctcccttatcc tcaaagtttg ggctgatgta agactagagg 60
 ctggccctcc cagataacag agaaaaggga gcccacaaatg caaccaacct cttgttctat 120
 tcttgccctg aaaagaacag aggtttctca aatgcctcag tccctgagag ccatttcttc 180
 ccctacatcg tctcactttg ctccctattg actgctggta gaaggagatt tggggtaggg 240
 gctagacctc cttttatttg aagggggcaa gggtgagat gtgggtccca agggggccaga 300
 aattcccaag ttggtcacag gtggcttaan aagtgtgtgg tatgggttta cggatttctc 360
 ttgaagcctc tcttcttctc t 381

<210> 1696
 <211> 620
 <212> DNA
 <213> Homo sapiens

<400> 1696
 aaaaaataaa gtagaaccca gagaaaatgt caaagctgcc gccatgtagc accagcaacc 60
 aattcttgca cttctcttcc ctgtctcagt aatccctac agaaggttac atgattggaa 120
 caactctttc ttccctgcaa agtctgctgg taccaggtta taacctggac agtggagagt 180
 gtctgcctta ggctggtttg tgcaagaggg ccaccttagg tctccttgag gacatttctc 240
 ttggcgcaga tcttgagggc agggcccagc ttgatgttca tggcaactcat aagatgttct 300
 tctttaagta ataaaagggc ctgtccatca atctcctgtg agcgaaatc ctctgcaatc 360
 tcttggcagc cttggagaga agcaataaac tcgtacacct cctctacact ccaacggctg 420
 ggattactgg acaggaacac aggggttgatg ccatgtaatt ccggtgtagg tggagctgta 480
 ttgggattcc ccaggtcacg ttctccatgc ccagctctta ctgataaagg cccaggagat 540
 gttggagaga gtgcttcacg ataactggaa ttatctgaac cccggctaga gtcttcttga 600
 ccccggtggc acttgcctgt 620

<210> 1697
 <211> 513
 <212> DNA

<213> Homo sapiens

<400> 1697

```

aaaaggattt ttatctttcg tgataaactt tgctgtgtac caggaactat aaaaacaaaa 60
acttgttact aaagaaaata tctgaaatgt gataagttct tatgccatgt taatttcatg 120
tgtcaacttc aacattttaca tgtattatct cattatgtaa aatgttttag caatttaata 180
ttttgcacag ttagcaaaact ttgtatgtca tttccttcaa ggcatcatgc agagttgaca 240
tgagatttat aaggtttttaa gttgttttgc tgtgaaaatc aaatacatac tttggtagtc 300
tttgaataca aagtcactcg ctcttgtttt tcaagaatct tgagacacaa agttgtatgt 360
aaaggaatat attaatttgc cgtttttctag gtagatttgc tcaaaaagag tgaatcaact 420
taatatgtac aaatgatagc tgtgaaaact tagaatatct ttgtgtcagg cttggagttc 480
attgtgacct ccaaattttg cctgaaggac cag 513

```

<210> 1698

<211> 398

<212> DNA

<213> Homo sapiens

<400> 1698

```

aaaattgtgt caatatcttc agtgaactct taacaatctg gggaactgtt ttcctcaatt 60
accacttcag caacgttcac acgaaatcaa ggcttgccct catgtcagtg tcaggatcaa 120
ctttaactcg aagagtttgt gcttgctctc aacatcttca gagtgcagct tagggatgcc 180
tgaaggatgg acagtacaag caagcagcta ctccatgat acagtgggaa gataaaaagg 240
cccattcagt ccagccgtga cctgtaaatc cagcttgccc tccccccacc cactggaaa 300
aaaaatccaa aacctttttc caccagtttt ttacatgtcg cttctctacc aggagattct 360
ttgcgtcatc tagatgaaca cactggactt atatacag 398

```

<210> 1699

<211> 283

<212> DNA

<213> Homo sapiens

<400> 1699

```

ccttaatgta atacagcaga ccactaggta ttttagtact ccacaaacca tggatttatt 60
cctaaactac tccatgaaca tgcaacctga agacgtgtga agatgagtga aactgatatt 120
actcaatttc agtctggaca ctggctgaat ccttctctc ccctcctccc atccctcata 180
ggatttttct tgtttggaaa ccacgtgttc tggtttccat gatgcccatc cagtcaatct 240
catggagggt ggagtatggt tggagcctaa tcagcgaggt ttc 283

```

<210> 1700

<211> 265

<212> DNA

<213> Homo sapiens

<400> 1700

```

gttgcaggca agaagcctgt ggtaggtaag aaaggaaaga aggtgctgt tgggtgtaag 60
aagcagaaga agcctctggt gggaaaaaag gcagcagcta ccaagaaacc agcccctgaa 120
aagaagcctg cagagaagaa acctactaca gaggagaaga agcctgctgc ataaactctt 180
aaatttgatt attccataaa ggtcaaatca ttttggacag cttcttttga ataaagacct 240
gattatacag gcagtgaaga aaaaa 265

```

<210> 1701

<211> 630

<212> DNA

<213> Homo sapiens

<400> 1701

```

aaaaatataa cacagtcaat ataaacatgt actgggaatt ataaaccatt ctttcttcta 60
agcactggat gagatactaa aaacatacag tatcttacca atagccatta aaataggcta 120
aaatgaaaaa gaaaccgttg taacaagggtt actaatcccc caactttcaa tgctgagttc 180
cttcatcatc catgtgcaat ccagagatga catctagcag ggtggtaaaa ttattctgga 240
aaatgccaac tgtacttaga caaaataagt taattctata tggttgtcca ttaaagtttt 300
atgtggctat ggttccactg gagctaaaaa ttggctttta actgtttcca aatcagaact 360
agcagaggag agaagtaa ataaagccaatg gcactccctt cagaggctca aaatggttag 420
atthttgatgc agatttaacc ttagcagagtt tcagtcagtc catttagatg atcctgtagg 480
ttcatacaaa tacactgaac cgttggttta acttctcttc cttcctcaaa gtttatgata 540
aagagactca tccctgtatt gggagtgaact gacataagtt cagatatgct cagagtggct 600
ggtaagggaa cacttaaggg cagtccagaa 630

```

<210> 1702

<211> 661

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 233, 236, 237, 247, 252, 254, 255, 258, 262, 268, 272, 277, 287, 298, 302, 316, 327, 329, 345, 449, 537, 548, 562

<223> n = A,T,C or G

<400> 1702

```

aaagagatth attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttataacc caactactta ctacccccga atatttaagt cagtcttctt 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agngcnntta 240
aaaaggnaac tntnngnaa gnaccctntt tnccttncca ccccccnaatt aaaggggnaa 300
cnaatggcgct ttgctnttgc ttaacnana ttggcttcaa aaacnattaa aatgtgaaag 360
actcttagca aaaaaacaaa aagacgttta acagatgtca aaaagctcct tagtgtttga 420
aaataaatgc ttaaacacaaa gacaacatnt tttatatcaa acaagtttgg agagccctga 480
attgcagcat tctgtaacat aaacacacaa aaagctggta taggatttat tgtcaanggc 540
agaatttntt caggcaggta antaaggagg ttggtggttct ttttcaggca ttttcacggc 600
catttcatag gttggcaaaa cgtactgagg aggtgcttca aaggcagggt acacagcaaa 660
t 661

```

<210> 1703

<211> 623

<212> DNA

<213> Homo sapiens

<400> 1703

```

aaaagatgta gataaaatth tattaataac agaagactta aaaaacattg gaaatactth 60
tttcaaactc cagaactggg agatggctat taaaaaatat gcagaagttt taagatacgt 120
ggacagttca aaggctgta ttgagacagc agatagagcc aagctgcaac ctatagctth 180
aagctgtgta ctgaatatg gtgcttgtta actgaagatg tcaaattggc agggagcaat 240
tgacagttgt ttgaggctc ttgaaataga cccatcaaat accaaagcat tgtaccgcag 300
agctcaagga tggcaaggat taaaagaata tgatcaagca ttggctgatc ttaagaaagc 360
tcaggggata gcaccagaag ataaagctat ccaggcagaa ttgctgaaag tcaaacaaaa 420
gataaaggca cagaaagata aagagaaggc agtatatgca aaaatgtttg cttagaaagg 480

```

```

attcagtttt gcttattgtg tgttgattgt ataaatgcaa taagaaaatg taaaggtttt 540
tgtctgtgaa tatgatccct aatgtgtttc ttttgacacc ttagttcctt actgtttaca 600
gtttaggagt actgataggg gtt                                     623

```

<210> 1704

<211> 350

<212> DNA

<213> Homo sapiens

<400> 1704

```

aaatccttga ggggtacagc atcaactcga ttctgtgtcc aatggcctta gcaggaagat 60
tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccgagtt acttttcccc 120
agatgactct ggttttgttt ggtttgccgc caggagtgcac tgtgttggtc tttgctttat 180
atacataagc gcatctcttg cccaaataga attctgtttc atctcgggcg taaacacctt 240
caattttaag aagagctgtg tgctcccttt ggttccggag accccgctta tagccagcaa 300
aaatggcctt ggaccacagc cttccagaca tagttccttt tagaagtccc 350

```

<210> 1705

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1705

```

tttttttatg aacttggtt tctttaatta aaaaaaaaaa tgccaagaaa cattatttat 60
acagggttga ttgctttcat gttgttattc tgtaccctat agtagcctcc atgagaatct 120
ggattttcct gctgcttgga actactttgc agtgattact tggttgcagt ccaagtactc 180
tcgttttagtc tgagcctgga gatgttctag acttgcttct cccacctctg agattaggac 240
aggaaaaatg tgaaatttcc caattacagg attatacggg accatcacat catttgtgga 300
aattgggggtg actgtatagc tgggattggg ctaaggactg tgggtcttct tgtccacata 360
cagccaaaat gcctatccag aaatccagtt cgttggaaag gaaaattggg actcctgtgc 420
cacaggggtt ccagaaaaag gaagtcactt taccttgccg tgggtgggatc ctgatgtctt 480
tca                                     483

```

<210> 1706

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1706

```

aaattcaaaa caggtatctc aaaaataaag ttaatatagg tttataagta ggacttgctc 60
actcctgaaa gtacgtttta gttaaactctc aaacacattt caaatactct cagagagtct 120
gttttatact accaagtatc ttatccacat ttcttcaaaa taaacaaaaa aatgctcaca 180
aaatatctat gagaaacaag aagataaaat ataaaatctt aatttttacg tataaaataa 240
ggaagccggg gaatagcaat gctagaaata aaatgctaga tctcctaata cccttcccaa 300
gtttcatcca gaaagataac agttaaaaaa aaagtaaata aaagcttaaa aaaatcccaa 360
agtcatttca aaaagaaaaa cggtcgcata gtcttctgca ggtagagggt agtaaaggcg 420
gtttgacagt gacagatttg gctctctgtg aatactctgg                                     460

```

<210> 1707

<211> 391

<212> DNA

<213> Homo sapiens

<400> 1707


```

aaaaaacatt ttacttggcc gggcacggtg gctcacacct gcaatcccag cactttggga 60
ggccaaggcg ggggtgatca caaggtcagg agttcaagac caacgtgacg tgaccaatat 120
ggtgaaaccc catctctact aaaaatacaa aaattagctg ggcgtgggtg cacgtgcctg 180
taatcccagc tacttgggaa gctgaggcag gagaattgct tgaacccggg aggcagagga 240
tgcagtgagc cgagattgag ccaccgcact ccagcctggg tgacagagca agactccatc 300
tcaaagaaac aaacaaaacc actttactta ctgtattgtg acatgtttat taagcatgaa 360
cccctatcag tactcctaaa ctgtaaacag t                                     391

```

<210> 1708

<211> 155

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 54, 56

<223> n = A,T,C or G

<400> 1708

```

aaaaacactg taaaattcta aatgattcct tctgttgtaa gttgatatat attngnaacc 60
tttgtgaaat tgtattcata tgaaaatgtc agctcaaatt cttgggagaa cattaaatta 120
tgtaatatatt aattaaaatt ttgaattcaa aaaaaa                                     155

```

<210> 1709

<211> 511

<212> DNA

<213> Homo sapiens

<400> 1709

```

aacactagcc atgtgacagt gctataaaac tcccagtggt cttttgtcag ggggtgggtgg 60
gaggtgccta attaccata caagggcatc attcccactg ggtatgcagg ggcagaacca 120
cagtagtaaa ttctaaaatt atttcaagta tgttcgtata acggaaaatc tcaactggatg 180
gggccgtttt aagaacgctt cttagtgtat atcctgtctg tgggacataa ggaagaagca 240
ttgaaaggca ctattttgaa agaagtgtgc acaggtatgg caacagcccc aagcacattc 300
cttcctcacg agtcccaggt ccagctttat tacctaatac aagccaacc tctggaacat 360
ccaaattcgc tgttccaaag tttaattaaa aacacaattt acaaataatt aatatcttct 420
gaaaagcatt tctaagttaa gaatgaaaaa gtatgtacat aatatataat caaataccag 480
gcagcctcaa cttccaccag gtccacactc a                                     511

```

<210> 1710

<211> 503

<212> DNA

<213> Homo sapiens

<400> 1710

```

aaatatgaaa aaccaaaggg aagtgagtgg gaagaggcaa gagaggaaag gaactggagt 60
ttcttgggaa gggactccca tgtctccctt cccatttatg ggcttggggg ctgggggtacg 120
aggctcacac agtgagtttg cagtgcacac gctccttgta gatctgccga cgaagtttgg 180
gcatgtcctg ctgggtgaag ctgaatggct gagacagggc cagatgcttg cagtacattt 240
tgaagtaacc tttccagccc tgggtggaat ccagtcgggc tttctttacc gcctctgcct 300
gtagatactt ggcaatatgc ttagggcagc ggcggtttag ggtacgtgc gagtcaaaat 360
aggatgatgt gcgtcgctc acatcaacag agatgaggga ccaatgcacc tccaggtgga 420
tggggattag cagtagctcc ttattgaaga tgtccacggt tttgggtccac cttttcaccc 480
catcataacc cttgggtacgg agt                                     503

```

<210> 1711
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15, 16
 <223> n = A,T,C or G

<400> 1711
 ctgatcttgg cactnngcac tcattggcac agtggttagtt agaggtgaaa agtagagctg 60
 tcaagcccaa gggcttagct ttagggctcc tcctgagttc ggccacacagt agaagcaaga 120
 ttttaactag ccccttttcc tcttcaccct cccatgatgc gcagtgttca gaaagctggt 180
 aagtcctagg gatttccaga agtagcctgc agaagaaggt aagtttgaaa gccactccag 240
 gggtcctgat gctgtcatgc tcagttagcc attttacagt tctccaaagt ctagecctgt 300
 ttcggacctg cacttcacct ctaagttagt tacaactcaa cctgcatccc tctaaaagtc 360
 ctatatccat attcaccatt ggctaatttg aggccctgag tgggccttga atgctaaaaa 420
 gaagcagggg acgcagggct acatgtagat accacaccaa ggctggaggc tgggtctgtca 480
 taagacagaa agaaagacgc tgggccaat tttgacttgg 520

<210> 1712
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 314, 332, 352, 375
 <223> n = A,T,C or G

<400> 1712
 aaaacttaat tctcaccttg agtatgcaaa atacaaaactc cacaaaaatgt tcatttttact 60
 ttgtagttta caaatatata aaatagacgt ttgctttaaatt ttatattaca tattttattaa 120
 ggcaaggaac tatatagaaa aacacatttg ttctgcttaa ggcatacttg ggaataaacc 180
 attgtacaaa ttattgcaca tctgaaacca cagtgcataa cagactgcat aaaaatgcta 240
 aagaagtaaa ccaggtatat tacctgactt aggtcataaa tgttgatcgg aagacaaata 300
 tagattttcc ttgncaaagt atgcagcagt tngaaaactt tggcttcctt gnttgggcct 360
 ttagaaccaa gactnaccaa gc 382

<210> 1713
 <211> 492
 <212> DNA
 <213> Homo sapiens

<400> 1713
 ctgctgttta cttatcaagg ttatagttcg tgctttctaac tggagcacta gctgctaattg 60
 catatctaga gaaaaaaatc ttccttttgca gttagtgccaa aaaggattca aggcttgtct 120
 ggctgcaaaa tgagattttt atcaggcatc ttgagcatta ttataaagca gatgacagta 180
 tcgtgttttg ggtagtgaag ttaaagccca taccaaagtg ggccagccaa gagcaggtgt 240
 cagcctggga cagatgtgaa caccaggaat aaagagcag ttatgtaatc catttcgacg 300
 cacttctgga actgtaaaact gtaaacaaat gctgcaaaag ttaactattt tctaaaactt 360
 acttttttcc agtgggaaaa caaatatttg gtatgggtaac ccaaacttat cactgctttt 420

```

ttgctcagtt tcacacggtg taactcaaatt tactctaaac gtgttttaact gccaaacagc 480
tacctgcatg tt                                         492

```

<210> 1714

<211> 410

<212> DNA

<213> Homo sapiens

<400> 1714

```

aaacatcttc aggaaatgca gggatcattt tgtttggaat ttttaagacac accagaacac 60
atagtattta caaagaaact tttacagata cattaattga aaagatacca tcaagaaata 120
taattttgaa atctcccttt cttgccaaatt gatcagaatg caagatgaga tgctaaccaa 180
acagcccttt agctgtcttg tatttccata cactaaatgt gtatttcaga aactgctcaa 240
ccatcagcca aatatcaaca ttagtgaaat gtgaaatgta accactgtgt aaaaagttag 300
gcttctgaaa cattaaaaac attacatccc tggctctgct ttttacagaa agcacatttg 360
ttctcctaga gctattccta tagttcatta attttctaca tgaacatttt 410

```

<210> 1715

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 318, 338

<223> n = A,T,C or G

<400> 1715

```

tttttttttt tgatcctgcc acaatatattt taattacgta caaagatctg acatgtcacc 60
cagggaccca ttccacccac tgcctctgtt ggccgccagt cttttgtctc tctcttcagc 120
aatgggtgagg cggataccct ttccctcgggg aagagaaatc catggtttgt tgcccttgcc 180
aataacaaaa atggttgaaa gtcgagtggc aaagctgttg ccattggcat ctttcacgtg 240
aaccacgtca aaagatccag ggtgcctctc tctgttggtg atcacaccaa ttcttctag 300
gttagcacct ccagtcanca tacacaggtt accagtgnog aacttgatga aatcagtaat 360
cttgcca                                         367

```

<210> 1716

<211> 652

<212> DNA

<213> Homo sapiens

<400> 1716

```

aaaaaataaa attataaaca aaatacagaa aaatatggac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgcctcgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatTTaa gattcattta caacgggcat ttggcgtcga 180
cagaaaaagt ctttctatgt atacattcaa ctttttgcag catattttaca ttcaagttac 240
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300
taaaatcctg tttatttggt aggagtgcaa tattatctta ttaggaaata attttatgtt 360
cctactaagt caactgcatt tttactactt taacaaaatt cactgacatt tttatcccag 420
ttgaagtcaa gcctctttta gacaaagtca atactaactc aaatgttgcc agttataaaa 480
ttatataata atcttttctc cctccttag agacagtatt acaactttca atgaaaggac 540
accagctatg ataaattatt ttcttttaca agagtttaga tgtattacag atacaagggt 600
ccagaatttt aacttgTTTT caaaagatgg ctgaagcact tttccctttc ag 652

```

<210> 1717
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 1717
 aaatgtgtat ttcttaagaa ttcaaatttg taataaaact atttgtataa aa 52

<210> 1718
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 1718
 aaaacaggca caatattcta aaggcatatg cattcaccat gggcttttga atgtcctcac 60
 tcccaacttc acaatcaaaa tctacagaag cggcaaaaga tcagagttca gagggctatt 120
 tttttttccc tttccttact taagggttgca aacacattga cagaggcaaa ataaacacgt 180
 ttcatagcag aaagaccaaa aaattgaatg taaaccatag ctctcccttg ggagattaca 240
 caaatacaag gttcatctgt acttagaaca aggtcataa cttctttag tagcatggacatt 300
 caacaggcac agagcaacaa cattcaccca aataccag 338

<210> 1719
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 1719
 aaaagtcaaa gttagatcaa gagaatattt cagagttttg gtttacacat caagaaacag 60
 acacacatac ctaggaaaga ttacacaat agataatcat cttaatgtga aagatatttg 120
 aagtattaat tttaatatat taaatatgat ttctgttata gtcttctgta tggaattttg 180
 tcacttaaga tgagctgcaa ataaataata ctttcaatgg aaaaaaaaaa 229

<210> 1720
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 1720
 ccagtacaaa ggcttatacc agccagtttg tatcccttgt gatgtttgcc cttatgatgt 60
 gtgatgatcg gatctccatg caagaaagac gcaaagagat catgcttgga ttgaaacggc 120
 tgcttgatgt gattaaggaa gtactgagca tggatgacga aattcagaaa ctagcaacag 180
 aactttatca tcagaagtca gttctgataa tgggacgagg ctatcattat gctacttgct 240
 ttgaaggggc actgaaaatc aaagaaatta cttatatgca ctctgaaggc atccttgctg 300
 gtgaattgaa acatggccct ctggcttttg tggataaatt gatgcctgtg atcatgatca 360
 tcatgagaga tcacacttat gccaaagtgtc agaatgctct tcagcaagtg gttgctcggc 420
 aggggcggcc tgtggtaatt tgtgataagg aggatactga gaccattaag aacacaaaaa 480
 gaacgatcaa ggtgccccac tcagtggact 510

<210> 1721
 <211> 637
 <212> DNA
 <213> Homo sapiens

<400> 1721

```

aaacttcac  tctccaaagc  tccggtcttt  ggtgtgaccc  tcccagaacta  gtacacattt  60
gttggttttc  ttcacagctt  cctcatcaga  ctctcatca  tcatctccct  ttgtgttaga  120
tgtctgttca  tcccacttta  tccgatgcag  cataagacgc  ttaaatttct  tctgggcctt  180
ggggccccc  tccactacta  ccaggttgac  atccttggtc  agtaccacca  cccctgtcag  240
gtacagttgc  ccagcattgg  cttcaatctt  gaacttcttg  gctgggttgc  tcaaatttcg  300
aactctatat  acagatatgt  gtaccccttg  tgaaatgtct  tctttaagct  ttttaatttt  360
cttgaccttt  ctctgttctg  ctgtgagttt  tccggcagcg  ttggcctctt  catgcgcttt  420
ctgtcttttt  gccatctgag  ctctgacgtg  ggcttctacc  ttctgtgggt  cttgaacagc  480
ttctgttctt  aatactcgca  tcaaattaga  aattctcact  ttgggttctg  gaggaggcat  540
caagcccagc  ctgacttttt  cttgtagtgc  cttctgtgct  tccctccttg  tttgtctccg  600
aagttttttc  tgttcttctt  tggtaagata  tactccc  637

```

<210> 1722

<211> 267

<212> DNA

<213> Homo sapiens

<400> 1722

```

ccaccctgga  gcgctatgta  gagacgcagg  ccaaggaaaa  tgcctatgat  ctggaagcca  60
acctggctgt  cctgaagctg  taccagttca  acccagcctt  ctttcagacc  acggtcaccg  120
cccagatcct  gctgaaggcc  ctaccaaact  tgccgcacac  agaacttcacc  ctgtgcaagt  180
gcatgatcga  ccaggcacat  caagaagaac  ggccaatccg  acagattttg  tacctcgggg  240
acctgctgga  gacctgccat  ttccagg  267

```

<210> 1723

<211> 492

<212> DNA

<213> Homo sapiens

<400> 1723

```

cctagttcca  gtcccaaccc  aaccactatt  cagaatgaga  atctaaaaag  catgacacat  60
aagcgaagcc  aacgttcaag  ttacacaagg  ctctccaaag  atcctccgga  gctccatgca  120
gcagcctctt  ctgagagcac  aggcctttga  gaagaaagag  aaagcattct  ttgagaaaaa  180
caagcaaagg  agaagagtgt  tactgtaccc  ttatgacaga  attgtcctgg  attttgactc  240
catccacgcc  catcaccttt  ctacattttg  ctgacagata  actaaccgat  gatgaggccg  300
aggtaaaaga  gacatctgca  gtgtgacaga  agggagcatg  agaagcatgg  ctaccagcc  360
agcctctgtg  gtctttgtaa  ttagaagctt  cagaactcac  taatactact  gtacctttca  420
ttggcgcatt  accccataaa  actttttgag  acgaggtgag  atctgagtat  aaagataggt  480
cagaagtatt  tt  492

```

<210> 1724

<211> 513

<212> DNA

<213> Homo sapiens

<400> 1724

```

ctgtacttca  ttcaaaaagc  caaaatagag  agtatacagt  cctagagaat  tctctatttt  60
gttcagatct  catagatgac  ccccagggtat  tgtcttttga  catccagcag  tccaagggtat  120
tgagacatat  tactggaagt  aagaaatatt  attataattg  agaactacag  cttttaagat  180
tgtactttta  tcttaaaaag  gtggtagtgt  tccctaaaa  acttattatg  taagggtcat  240
tagacaaatg  tcttgaagta  gacatggaat  ttatgaatgg  ttctttatca  tttctcttcc  300
cccttttttg  catcctggct  tgccctccagt  tttaggctct  ttagtttgct  tctgtaagca  360
acgggaacac  ctgctgaggg  ggctctttcc  ctcatgtata  cttcaagtaa  gatcaagaat  420
cttttgtgaa  attatagaaa  tttactatgt  aaatgcttga  tggaattttt  tctgtctagt  480

```

gtagcttctg aaaggtgctt tctccattta ttt

513

<210> 1725

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 561, 569

<223> n = A,T,C or G

<400> 1725

```
aaaggtattt gctcattggt ctggcttaga gacaggaaga catatgagca ataaaaaaaa 60
gattcttttg catttacc aa tttagtaaaa atttattaaa actgaataaa gtgctgttct 120
taagtgcctg aaagacgtaa accaaagtgc actttatctc atttatctta tgggtggaac 180
acaggaacaa attctctaag agactgtgtt tcttttagttg agaagaaact tcattgagta 240
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agtgggaata agagaggggt ttttattttt tcgttcatac gagtattgat gaagatgata 360
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<210> 1726

<211> 608

<212> DNA

<213> Homo sapiens

<400> 1726

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<211> 178

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<222> 173

<223> n = A,T,C or G

<400> 1727

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<223> n = A,T,C or G

<400> 1731

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<210> 1732

<211> 1131

<212> DNA

<213> Homo sapiens

<400> 1732

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<210> 1733

<211> 5641

<212> DNA

<213> Homo sapiens

<400> 1733

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<210> 1735

<211> 1887

<212> DNA

<213> Homo sapiens

<400> 1735

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<211> 2147

<212> DNA

<213> Homo sapiens

<220>

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<400> 1736

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<211> 6214

<212> DNA

<213> Homo sapiens

<400> 1737

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<211> 1479

<212> PRT

<213> Homo sapiens

<400> 1738

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Asp Arg Glu Ala Leu Asn Leu Arg Trp His Cys Arg Thr Leu Gly Asp
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Gln Leu Ser Leu Leu Leu Gly Ala Arg Thr Ser Asn Ile Ser Lys Pro
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Gly Thr Leu Glu Arg Gly Asp Gln Thr Arg Ser Gly Gln Trp Arg Ile
 145          150          155          160
Tyr Gly Ser Glu Glu Asp Leu Cys Ala Leu Pro Tyr His Glu Val Tyr
 165          170          175
Thr Ile Gln Gly Asn Ser His Gly Lys Pro Cys Thr Ile Pro Phe Lys
 180          185          190
Tyr Asp Asn Gln Trp Phe His Gly Cys Thr Ser Thr Gly Arg Glu Asp
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Gly	His	Leu	Trp	Cys	Ala	Thr	Thr	Gln	Asp	Tyr	Gly	Lys	Asp	Glu	Arg
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Lys	Asp	Gln	Leu	Thr	Asp	Ser	Cys	Tyr	Gln	Phe	Asn	Phe	Gln	Ser	Thr
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Leu	Thr	Gly	Tyr	Ser	Ser	Thr	Leu	Trp	Ile	Gly	Leu	Asn	Asp	Leu	Asp
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Asn	Trp	Glu	Ser	Asp	Gln	Pro	Asp	Asn	Pro	Ser	Glu	Glu	Asn	Cys	Gly
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Val	Ile	Arg	Thr	Glu	Ser	Ser	Gly	Gly	Trp	Gln	Asn	Arg	Asp	Cys	Ser
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Pro	Thr	Pro	Pro	Asp	Arg	Trp	Ala	Asn	Val	Lys	Val	Glu	Cys	Glu	Pro
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Arg	Ser	Trp	Gln	Glu	Ser	Lys	Lys	Ala	Cys	Leu	Arg	Gly	Gly	Gly	Asp
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Leu	Gln	Met	Asn	Phe	Glu	Trp	Ser	Asp	Gly	Ser	Leu	Val	Ser	Phe	Thr
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Cys	Val	Thr	Ile	Trp	Gly	Pro	Glu	Gly	Arg	Trp	Asn	Asp	Ser	Pro	Cys
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Ser	Pro	Ser	Cys	Tyr	Trp	Leu	Gly	Glu	Asp	Gln	Val	Thr	Tyr	Ser	Glu
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Asn	Arg	Phe	Glu	Gln	Ala	Phe	Val	Ser	Ser	Leu	Ile	Tyr	Asn	Trp	Glu
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Glu	Ile	His	Glu	Gln	His	Trp	Phe	Trp	Ile	Gly	Leu	Asn	Arg	Arg	Asp
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Pro	Arg	Gly	Gln	Ser	Trp	Arg	Trp	Ser	Asp	Gly	Val	Gly	Phe	Ser	
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Tyr	His	Asn	Phe	Asp	Arg	Ser	Arg	His	Asp	Asp	Asp	Asp	Ile	Arg	Gly
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Cys	Ala	Val	Leu	Asp	Leu	Ala	Ser	Leu	Gln	Trp	Val	Ala	Met	Gln	Cys
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Asp	Thr	Gln	Leu	Asp	Trp	Ile	Cys	Lys	Ile	Pro	Arg	Gly	Thr	Asp	Val
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Gln	Glu	Ala	Glu	Tyr	Lys	Phe	Phe	Glu	His	His	Ser	Thr	Trp	Ala	Gln
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Arg	Ala	Gln	Glu	Gln	His	Trp	Trp	Ile	Gly	Leu	His	Thr	Ser	Glu	Ser
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 1090 1095 1100
 Phe Ile Cys Gln Lys Gly Thr Asp Pro Ser Leu Ser Pro Ser Pro Ala
 1105 1110 1115 1120
 Ala Leu Pro Pro Ala Pro Gly Thr Glu Leu Ser Tyr Leu Asn Gly Thr
 1125 1130 1135
 Phe Arg Leu Leu Gln Lys Pro Leu Arg Trp His Asp Ala Leu Leu Leu
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 Cys Glu Ser His Asn Ala Ser Leu Ala Tyr Val Pro Asp Pro Tyr Thr
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 Ile Gly Leu Ala Gly Glu Gly Ser Arg Arg Tyr Ser Trp Val Ser
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 Ser Cys Asp Thr Lys Leu Gln Gly Ala Val Cys Gly Val Ser Ser Gly
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 Pro Pro Pro Pro Arg Arg Ile Ser Tyr His Gly Ser Cys Pro Gln Gly
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 Leu Ala Asp Ser Ala Trp Ile Pro Phe Arg Glu His Cys Tyr Ser Phe
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 His Met Glu Leu Leu Leu Gly His Lys Glu Ala Arg Gln Arg Cys Gln
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 Phe Val Trp Glu His Leu Gln Ser Tyr Glu Gly Gln Ser Arg Gly Ala
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 Trp Leu Gly Met Asn Phe Asn Pro Lys Gly Gly Thr Leu Val Trp Gln
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 Asp Asn Thr Ala Val Asn Tyr Ser Asn Trp Gly Pro Pro Gly Leu Gly
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 Pro Ser Met Leu Ser His Asn Ser Cys Tyr Trp Ile Gln Ser Asn Ser
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 Gly Leu Trp Arg Pro Gly Ala Cys Thr Asn Ile Thr Met Gly Val Val
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 Cys Lys Leu Pro Arg Ala Glu Gln Ser Ser Phe Ser Pro Ser Ala Leu
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 Ser Ile Glu Arg Gly Ala Phe Glu Gly Ala Arg Tyr Ser Arg Ser Ser
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Pro	Gly	Asp 35	Ala	Ala	Leu	Pro	Glu 40	Pro	Asn	Ile	Phe	Leu 45	Ile	Phe	Ser
His	Gly 50	Leu	Gln	Gly	Cys	Leu 55	Glu	Ala	Gln	Gly	Gly 60	Gln	Val	Arg	Val
Thr 65	Pro	Ala	Cys	Asn	Thr 70	Ser	Leu	Pro	Ala	Gln	Arg 75	Trp	Lys	Trp	Val 80
Ser	Arg	Asn	Arg	Leu 85	Phe	Asn	Leu	Gly	Thr 90	Met	Gln	Cys	Leu 95	Gly	Thr
Gly	Trp	Pro	Gly 100	Thr	Asn	Thr	Thr 105	Ala	Ser	Leu	Gly	Met 110	Tyr	Glu	Cys
Asp	Arg	Glu 115	Ala	Leu	Asn	Leu	Arg 120	Trp	His	Cys	Arg 125	Thr	Leu	Gly	Asp
Gln	Leu 130	Ser	Leu	Leu	Leu	Gly 135	Ala	Arg	Thr	Ser	Asn 140	Ile	Ser	Lys	Pro
Gly 145	Thr	Leu	Glu	Arg	Gly 150	Asp	Gln	Thr	Arg	Ser 155	Gly	Gln	Trp	Arg	Ile 160
Tyr	Gly	Ser	Glu	Glu 165	Asp	Leu	Cys	Ala	Leu 170	Pro	Tyr	His	Glu 175	Val	Tyr
Thr	Ile	Gln	Gly 180	Asn	Ser	His	Gly 185	Lys	Pro	Cys	Thr	Ile 190	Pro	Phe	Lys
Tyr	Asp	Asn 195	Gln	Trp	Phe	His	Gly 200	Cys	Thr	Ser	Thr 205	Gly	Arg	Glu	Asp
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Leu	Thr 290	Gly	Tyr	Ser	Ser	Thr 295	Leu	Trp	Ile	Gly	Leu 300	Asn	Asp	Leu	Asp
Thr 305	Ser	Gly	Gly	Trp	Gln 310	Trp	Ser	Asp	Asn	Ser 315	Pro	Leu	Lys	Tyr	Leu 320
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Ser	Trp	Gln	Pro	Phe	Gln	Gly	His	Cys	Tyr	Arg	Leu	Gln	Ala	Glu	Lys
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Arg	Ser	Trp	Gln	Glu	Ser	Lys	Lys	Ala	Cys	Leu	Arg	Gly	Gly	Gly	Asp
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Leu	Val	Ser	Ile	His	Ser	Met	Ala	Glu	Leu	Glu	Phe	Ile	Thr	Lys	Gln
			420						425						430
Ile	Lys	Gln	Glu	Val	Glu	Glu	Leu	Trp	Ile	Gly	Leu	Asn	Asp	Leu	Lys
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His	Trp	His	Pro	Phe	Glu	Pro	Asn	Asn	Phe	Arg	Asp	Ser	Leu	Glu	Asp
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Cys	Val	Thr	Ile	Trp	Gly	Pro	Glu	Gly	Arg	Trp	Asn	Asp	Ser	Pro	Cys
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Asn	Gln	Ser	Leu	Pro	Ser	Ile	Cys	Lys	Lys	Ala	Gly	Gln	Leu	Ser	Gln
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Gly	Ala	Ala	Glu	Glu	Asp	His	Gly	Cys	Arg	Lys	Gly	Trp	Thr	Trp	His
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Ser	Pro	Ser	Cys	Tyr	Trp	Leu	Gly	Glu	Asp	Gln	Val	Thr	Tyr	Ser	Glu
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Ala	Arg	Arg	Leu	Cys	Thr	Asp	His	Gly	Ser	Gln	Leu	Val	Thr	Ile	Thr
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Asn	Arg	Phe	Glu	Gln	Ala	Phe	Val	Ser	Ser	Leu	Ile	Tyr	Asn	Trp	Glu
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Gly	Glu	Tyr	Phe	Trp	Thr	Ala	Leu	Gln	Asp	Leu	Asn	Ser	Thr	Gly	Ser
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Asp	Gln	Pro	Gly	Tyr	Ser	Arg	Gly	Gly	Cys	Val	Ala	Leu	Ala	Thr	Gly
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Ser	Ala	Met	Gly	Leu	Trp	Glu	Val	Lys	Asn	Cys	Thr	Ser	Phe	Arg	Ala
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Arg	Tyr	Ile	Cys	Arg	Gln	Ser	Leu	Gly	Thr	Pro	Val	Thr	Pro	Glu	Leu
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Pro	Gly	Pro	Asp	Pro	Thr	Pro	Ser	Leu	Thr	Gly	Ser	Cys	Pro	Gln	Gly
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Trp	Ala	Ser	Asp	Thr	Lys	Leu	Arg	Tyr	Cys	Tyr	Lys	Val	Phe	Ser	Ser
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Glu	Arg	Leu	Gln	Asp	Lys	Lys	Ser	Trp	Val	Gln	Ala	Gln	Gly	Ala	Cys
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Gln	Glu	Leu	Gly	Ala	Gln	Leu	Leu	Ser	Leu	Ala	Ser	Tyr	Glu	Glu	Glu
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His	Phe	Val	Ala	Asn	Met	Leu	Asn	Lys	Ile	Phe	Gly	Glu	Ser	Glu	Pro
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Pro	Arg	Gly	Gln	Ser	Trp	Arg	Trp	Ser	Asp	Gly	Val	Gly	Phe	Ser	
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Tyr	His	Asn	Phe	Asp	Arg	Ser	Arg	His	Asp	Asp	Asp	Ile	Arg	Gly	
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Cys	Ala	Val	Leu	Asp	Leu	Ala	Ser	Leu	Gln	Trp	Val	Ala	Met	Gln	Cys
785						790					795				800
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 Ser Gln Ala Glu Leu Asp Phe Leu Ser His Asn Leu Gln Lys Phe Ser
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 Tyr Met Thr Ala Ser Arg Glu Asp Trp Gly Asp Gln Arg Cys Leu Thr
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 Pro Pro Asp Leu Pro Thr Thr Ala Leu Gly Gly Cys Pro Ser Asp Trp
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 Cys Lys Leu Pro Arg Ala Glu Gln Ser Ser Phe Ser Pro Ser Ala Leu
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